

# Converting Colors

XYZ(87.5893, 113.7855,  
86.9450)

Have a look what the booklet for  
XYZ(87.5893, 113.7855, 86.9450)  
contains.

<b>XYZ(76.2307, 90.8448, 83.3290)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(76.2307, 90.8448,  
83.3290)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4FFDF
RGB	212, 255, 223
RGB Percent	83%, 100%, 87%
CMY	0.1686, 0.0000, 0.1255
CMYK	0.17, 0.00, 0.13, 0.00
HSL	135°, 100%, 92%
HSV	135°, 17%, 100%
XYZ	76.2307, 90.8448, 83.3290
YIQ	238.4950, -15.3560, -19.0680

# Conversions

## Conversions Part 2

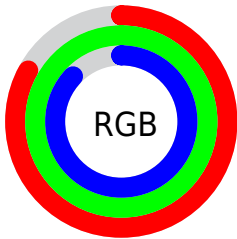
Format	Color
RYP	212, 246, 255
Decimal	13959135
CIELab	96.35, -19.70, 10.76
CIElCh	96, 22.446, 151.355
Yxy	90.8448, 0.3044, 0.3628
Android (android.graphics.Color)	4292149215 (0xFFD4FFDF)
YUV	238.4950, -7.6390, -23.2361
Hunter-Lab	95.3125, -24.0331, 14.8832

# Details

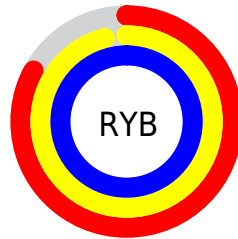
The XYZ color **76.2307, 90.8448, 83.3290** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **81.1131, 74.8795, 95.7659**, and the grayscale version is **81.7172, 85.9729, 93.6245**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.1666, 50.3834, 44.6011** is the 20% darker color. If you saturate the color by 10%, you get **67.0340, 86.3829, 70.2833**, and if you desaturate by 10%, it is **86.8766, 96.0205, 97.9423**.

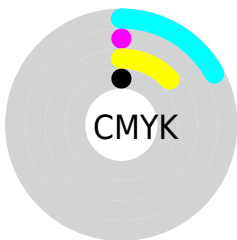
# Distribution



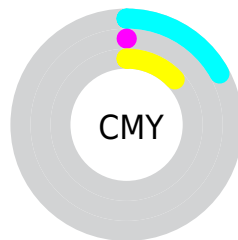
- Red (83%)
- Green (100%)
- Blue (87%)



- Red (83%)
- Yellow (96%)
- Blue (100%)



- Cyan (17%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)




- Cyan (17%)
- Magenta (0%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.2307, 90.8448, 83.3290 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 76.2307, 90.8448, 83.3290 by changing the saturation by 10% instead.




 76.2307, 90.8448,  
83.3290

 76.2307, 90.8448,  
83.3290


471.0693,  
530.7751, 526.0820

 56.9194, 68.6815,  
61.9194


127.0316,  
148.5113, 139.8895

 41.1804, 50.4524,  
44.5322


159.2519,  
184.7833, 175.8775

 28.6484, 35.7730,  
30.7489


196.5059,  
226.5271, 217.5621

 18.9579, 24.2589,  
20.1508

239.1590,  
274.1269, 265.3617

 11.7437, 15.5258,  
12.3196

287.5766,  
327.9672, 319.6950

 6.6404, 9.1892,  
6.8365

342.1239,

 3.2825, 4.8648,

388.4324, 380.9804

3.2832

403.1664,  
455.9069, 449.6366

■ 1.3049, 2.1682,  
1.2410

■ 0.1869, 0.7026,  
0.0127

■ 76.2307, 90.8448,  
83.3290

■ 76.2307, 90.8448,  
83.3290

■ 67.0340, 86.3829,  
70.2833

■ 86.8766, 96.0205,  
97.9423

■ 59.2204, 82.6021,  
58.7487

95.0500, 100.0000,  
108.9000

■ 52.7222, 79.4685,  
48.6716

■ 47.4647, 76.9447,  
39.9936

■ 43.3654, 74.9897,  
32.6523

■ 40.3318, 73.5571,  
26.5808

■ 38.2560, 72.5927,  
21.7057

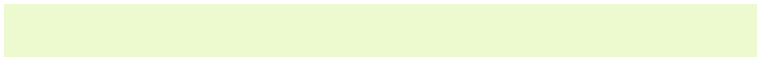
■ 37.0036, 72.0290,  
17.9461

■ 36.7210, 71.9044,  
16.9805

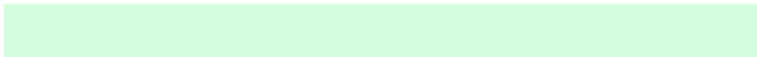
# Harmonies

## Analogous

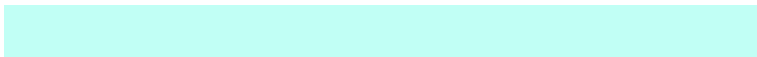
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.2470, 90.8448, 72.3596



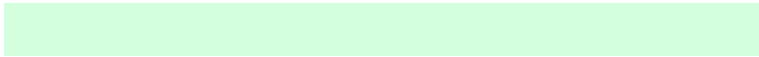
76.2307, 90.8448, 83.3290



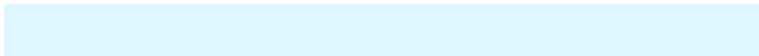
74.8893, 90.8448, 99.7301

# Triad

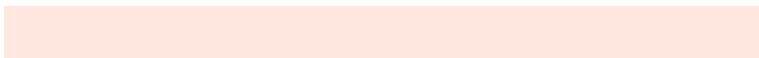
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.2307, 90.8448, 83.3290



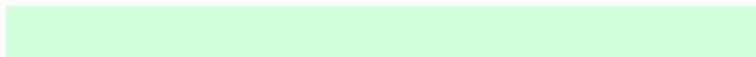
86.6296, 90.8448, 137.4282



97.0099, 90.8448, 82.0787

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



76.2307, 90.8448, 83.3290



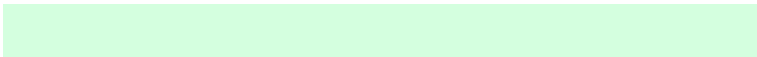
81.1131, 74.8795, 95.7659

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



98.9137, 90.8448, 98.1034



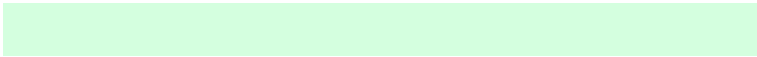
76.2307, 90.8448, 83.3290



92.7449, 90.8448, 131.2813

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.2307, 90.8448, 83.3290



80.7164, 90.8448, 132.2660



97.3171, 90.8448, 116.3315

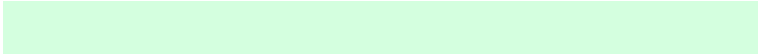


92.2299, 90.8448, 71.7013



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.2307, 90.8448, 83.3290



75.6385, 90.8448, 111.9724



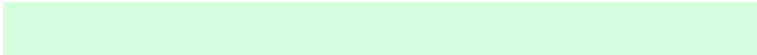
97.3171, 90.8448, 116.3315



98.0175, 90.8448, 86.9135

# Sweetspot

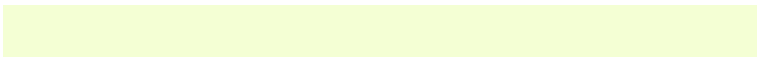
The Sweet Spot groups the original color and five complimentary colors.



76.2314, 90.8451, 83.3304



89.0235, 97.0654, 100.8399



85.0391, 95.5515, 76.2498



18.8800, 20.6909, 21.3484



0.0000, 0.0000, 0.0000

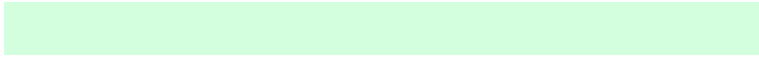


20.3446, 21.4041, 23.3091

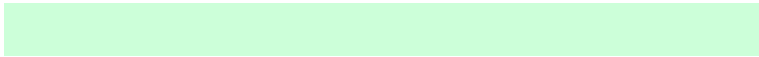


# Same Dimension

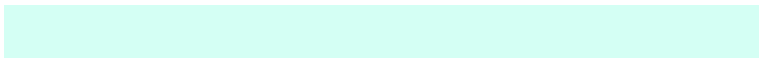
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.2314, 90.8451, 83.3304



73.1924, 89.3696, 79.0702



79.2791, 92.0642, 99.3792



17.9622, 20.2444, 20.1041



19.2382, 37.5919, 9.1397



1.9152, 3.6770, 1.1112



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



81.1131, 74.8795, 95.7659



78.8528, 70.8537, 93.4874



78.0697, 73.6622, 79.7399



18.5825, 18.2163, 21.6846



26.4556, 13.0715, 26.8472

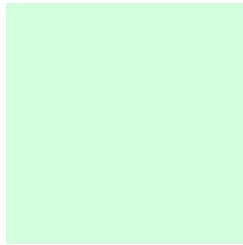


2.6202, 1.2904, 2.8472



# Previews

## White Background



This preview shows how the XYZ color 76.2307, 90.8448, 83.3290 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

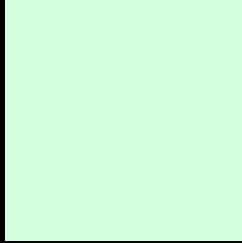
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.2307, 90.8448, 83.3290 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

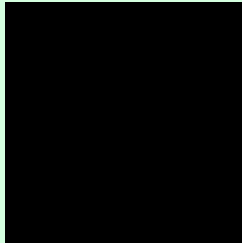
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

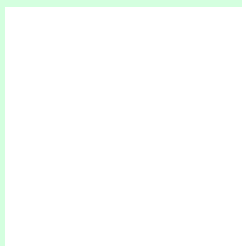
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 76.2307, 90.8448, 83.3290**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.2307, 90.8448, 83.3290.



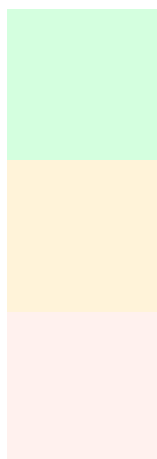
This preview shows how white text looks on a background with the XYZ color 76.2307, 90.8448,

83.3290.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

76.2307, 90.8448, 83.3290

### Protanopia

85.8150, 90.3709, 78.5660

### Deuteranopia

88.1279, 90.3436, 93.6821



## Tritanopia

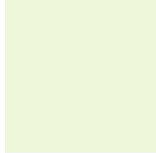
84.9375, 90.6240, 107.6232

# Trichromacy



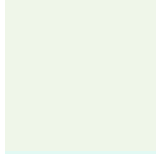
## Original Color

76.2307, 90.8448, 83.3290



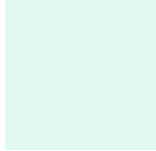
## Protanomaly

81.6436, 89.9867, 80.0839



## Deuteranomaly

83.2604, 90.1454, 90.1023



## Tritanomaly

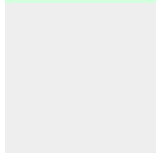
81.4174, 90.3912, 97.9501

# Monochromacy



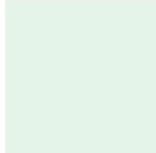
## Original Color

76.2307, 90.8448, 83.3290



## Achromatopsia

81.2670, 85.4993, 93.1087



## Achromatomaly

79.3718, 87.2426, 89.7470

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.2307, 90.8448, 83.3290 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(212, 255, 223)` looks like.

```
.text, #text, p{  
    color:rgb(212, 255, 223)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(212, 255, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 255, 223) }
```

## Border

The CSS property to change the border of an element to XYZ 76.2307, 90.8448, 83.3290 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(212, 255, 223) }
```



If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(212, 255, 223) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(212, 255, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 255, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 255, 223);  
box-shadow:4px 4px 4px 4px rgb(212, 255,  
223) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.2307, 90.8448, 83.3290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 255, 223) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(212,  
255, 223) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor