

# Converting Colors

XYZ(72.4174, 83.4499, 97.0933)

Have a look what the booklet for  
XYZ(72.4174, 83.4499, 97.0933)  
contains.

<b>XYZ(72.3478, 83.4518, 97.0887)</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(72.3478, 83.4518,  
97.0887)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C8F4F3
RGB	200, 244, 243
RGB Percent	78%, 96%, 95%
CMY	0.2157, 0.0431, 0.0471
CMYK	0.18, 0.00, 0.00, 0.04
HSL	179°, 67%, 87%
HSV	179°, 18%, 96%
XYZ	72.3478, 83.4518, 97.0887
YIQ	230.7300, -25.9030, -9.6390

# Conversions

## Conversions Part 2

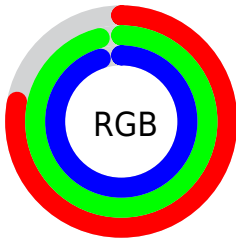
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	200, 222, 244
Decimal	13169907
CIE Lab	93.21, -14.21, -4.20
CIE LCh	93, 14.824, 196.478
Yxy	83.4518, 0.2861, 0.3300
Android (android.graphics.Color)	4291359987 (0xFFC8F4F3)
YUV	230.7300, 6.0491, -26.9502
Hunter-Lab	91.3520, -18.4997, 0.9331

# Details

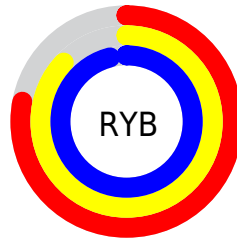
The XYZ color **72.3478, 83.4518, 97.0887** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.5081, 64.7611, 64.1513**, and the grayscale version is **75.7272, 79.6709, 86.7616**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.6299, 45.5740, 53.7744** is the 20% darker color. If you saturate the color by 10%, you get **66.2608, 80.3257, 96.3676**, and if you desaturate by 10%, it is **79.4798, 87.1210, 97.8635**.

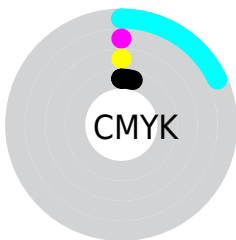
# Distribution



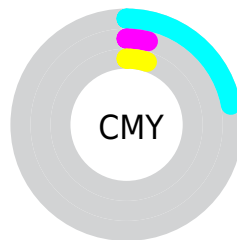
- Red (78%)
- Green (96%)
- Blue (95%)



- Red (78%)
- Yellow (87%)
- Blue (96%)



- Cyan (18%)
- Magenta (0%)
- Yellow (0%)
- Black (4%)



- Cyan (22%)
- Magenta (4%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.3478, 83.4518, 97.0887 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 72.3478, 83.4518, 97.0887 by changing the saturation by 10% instead.



72.3478, 83.4518,  
97.0887

72.3478, 83.4518,  
97.0887

457.8901,  
506.4910, 571.9846

53.7293, 62.5629,  
73.2682

121.5590,  
138.2081, 159.1674

38.6151, 45.4877,  
53.7021

152.8824,  
172.8443, 198.2626

26.6398, 31.8418,  
37.9720

189.1716,  
212.8317, 243.2865

17.4381, 21.2407,  
25.6593

230.7918,  
258.5547, 294.6576

10.6446, 13.3000,  
16.3455

278.1084,  
310.3978, 352.7944

5.8939, 7.6355,  
9.6119

331.4867,

2.8207, 3.8626,

368.7453, 418.1155

5.0402

391.2922,  
433.9815, 491.0394

■ 1.0597, 1.5970,  
2.2117

■ 0.0000, 0.3556,  
0.6811

■ 72.3478, 83.4518,  
97.0887

■ 72.3478, 83.4518,  
97.0887

■ 66.2608, 80.3257,  
96.3676

■ 79.4798, 87.1210,  
97.8635

■ 61.1625, 77.7071,  
95.6924

■ 87.6956, 91.3466,  
98.6886

■ 57.0019, 75.5719,  
95.0624

■ 90.0234, 92.5368,  
99.2395

■ 53.7210, 73.8901,  
94.4749

■ 90.1083, 92.5708,  
99.6868

■ 51.2550, 72.6284,  
93.9268

■ 90.1935, 92.6049,  
100.1353

■ 49.5303, 71.7489,  
93.4148

■ 90.2789, 92.6390,  
100.5853

■ 48.4604, 71.2068,  
92.9347

■ 90.3646, 92.6733,  
101.0366

■ 47.9260, 70.9408,  
92.4810

■ 90.4506, 92.7077,  
101.4892

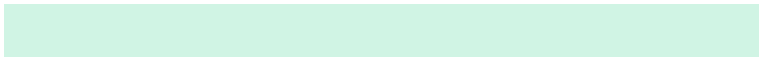
■ 47.8498, 70.9034,  
92.3933

■ 90.5368, 92.7422,  
101.9432

# Harmonies

## Analogous

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



72.2538, 83.4518, 85.9388



72.3478, 83.4518, 97.0887



74.2695, 83.4518, 107.3307

# Triad

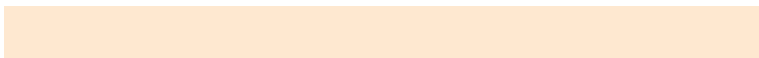
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.3478, 83.4518, 97.0887



84.8768, 83.4518, 106.4585



81.0834, 83.4518, 71.5561

# Complementary

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



72.3478, 83.4518, 97.0887



68.5081, 64.7611, 64.1513

# 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.



84.5912, 83.4518, 76.1755



72.3478, 83.4518, 97.0887



86.8292, 83.4518, 95.9756

# Square

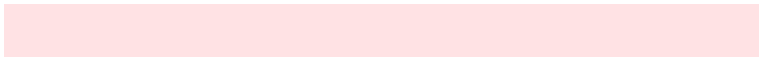
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.3478, 83.4518, 97.0887



81.4629, 83.4518, 113.0359



86.7230, 83.4518, 84.9128



77.2120, 83.4518, 71.8007

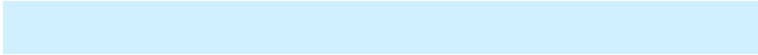


# Rectangle

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



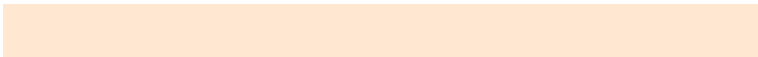
72.3478, 83.4518, 97.0887



76.3653, 83.4518, 111.9960



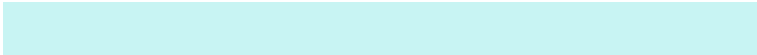
86.7230, 83.4518, 84.9128



82.3467, 83.4518, 72.5743

# Sweetspot

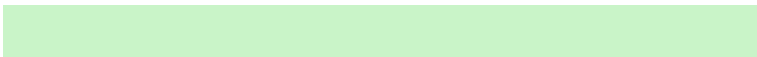
The Sweet Spot groups the original color and five complimentary colors.



72.3502, 83.4552, 97.0906



90.4670, 97.6428, 108.4414



66.9916, 81.3573, 66.8179



19.2311, 20.8314, 23.1974



0.0000, 0.0000, 0.0000

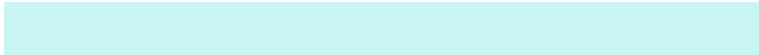


20.3446, 21.4041, 23.3091

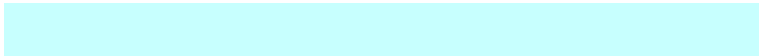


# Same Dimension

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



72.3502, 83.4552, 97.0906



77.1314, 90.7863, 106.9900



66.6636, 71.8388, 95.9446



16.9794, 18.7509, 21.1760



26.0243, 38.5546, 50.2751



2.2924, 3.3906, 4.4456



# Inverse Universe

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



68.5081, 64.7611, 64.1513



72.0867, 66.2394, 63.7395



73.4700, 74.8730, 65.2248



16.5145, 16.4886, 17.1897



20.3094, 10.4672, 1.0718

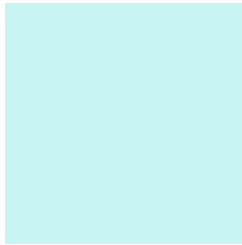


1.7903, 0.9221, 0.1220



# Previews

## White Background



This preview shows how the XYZ color 72.3478, 83.4518, 97.0887 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

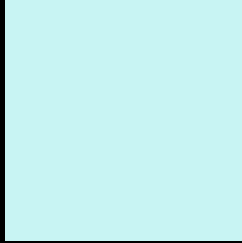
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.3478, 83.4518, 97.0887 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

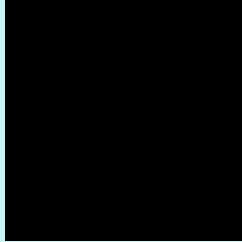
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 72.3478, 83.4518, 97.0887**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.3478, 83.4518, 97.0887.



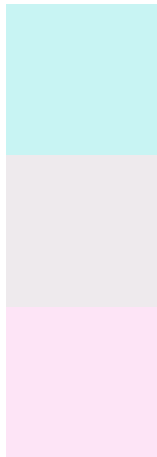
This preview shows how white text looks on a background with the XYZ color 72.3478, 83.4518,



# 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

72.3478, 83.4518, 97.0887

### Protanopia

79.9688, 83.1372, 91.9530

### Deuteranopia

84.8860, 83.0233, 98.7399



## Tritanopia

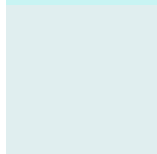
76.0741, 83.3891, 106.6939

# Trichromacy



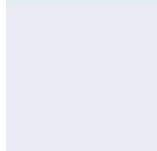
## Original Color

72.3478, 83.4518, 97.0887



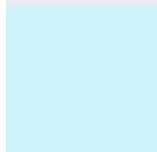
## Protanomaly

76.8950, 83.2284, 93.6732



## Deuteranomaly

79.8359, 82.9306, 98.1856



## Tritanomaly

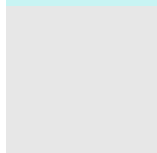
74.6000, 83.1410, 103.3828

# Monochromacy



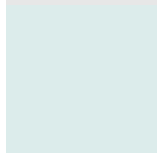
## Original Color

72.3478, 83.4518, 97.0887



## Achromatopsia

75.9547, 79.9103, 87.0223



## Achromatomaly

74.5060, 81.2047, 90.3444

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.3478, 83.4518, 97.0887 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(200, 244, 243)` looks like.

```
.text, #text, p{  
    color:rgb(200, 244, 243)  
}
```

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(200, 244, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 244, 243) }
```

## Border

The CSS property to change the border of an element to XYZ 72.3478, 83.4518, 97.0887 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(200, 244, 243) }
```



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

```
.border{ border-color:rgb(200, 244, 243) }
```

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

Here you see how a box with a 4 pixel rgb(200, 244, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 244, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 244, 243);  
box-shadow:4px 4px 4px 4px rgb(200, 244,  
243) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.3478, 83.4518, 97.0887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 244, 243) }
```

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

```
.background{ background-color: rgb(200,  
244, 243) }
```

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