

# Converting Colors

XYZ(74.5226, 90.0658, 78.6589)

Have a look what the booklet for  
XYZ(74.5226, 90.0658, 78.6589)  
contains.

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# Color

**XYZ(74.4492, 90.0332,  
78.4200)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1FFD8
RGB	209, 255, 216
RGB Percent	82%, 100%, 85%
CMY	0.1804, 0.0000, 0.1529
CMYK	0.18, 0.00, 0.15, 0.00
HSL	129°, 100%, 91%
HSV	129°, 18%, 100%
XYZ	74.4492, 90.0332, 78.4200
YIQ	236.8000, -14.8970, -21.8810

# Conversions

## Conversions Part 2

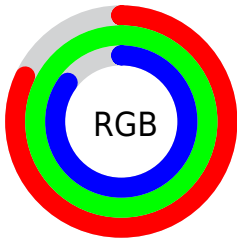
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	209, 249, 255
Decimal	13762520
CIE <sub>Lab</sub>	96.01, -21.90, 13.85
CIE <sub>LCh</sub>	96, 25.910, 147.696
Yxy	90.0332, 0.3065, 0.3707
Android (android.graphics.Color)	4291952600 (0xFFD1FFD8)
YUV	236.8000, -10.2544, -24.3806
Hunter-Lab	94.8858, -25.9957, 17.4189

# Details

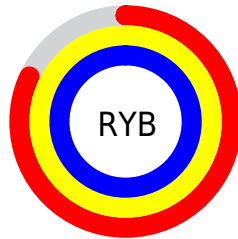
The XYZ color **74.4492, 90.0332, 78.4200** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **80.9841, 73.6390, 98.7521**, and the grayscale version is **80.4266, 84.6151, 92.1458**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.9535, 49.8314, 41.2309** is the 20% darker color. If you saturate the color by 10%, you get **65.1887, 85.5612, 64.3438**, and if you desaturate by 10%, it is **85.2336, 95.2483, 94.4899**.

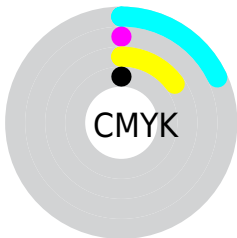
# Distribution



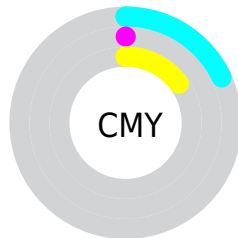
- Red (82%)
- Green (100%)
- Blue (85%)



- Red (82%)
- Yellow (98%)
- Blue (100%)



- Cyan (18%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)




- Cyan (18%)
- Magenta (0%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.4492, 90.0332, 78.4200 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 74.4492, 90.0332, 78.4200 by changing the saturation by 10% instead.



 74.4492, 90.0332,  
78.4200

 74.4492, 90.0332,  
78.4200


465.0487,  
528.1388, 509.1577

 55.4544, 68.0082,  
57.9006

124.5245,  
147.3845, 132.9333

 40.0009, 49.9044,  
41.3145


156.3356,  
183.4796, 167.7642

 27.7235, 35.3374,  
28.2434

193.1495,  
225.0335, 208.2027

 18.2567, 23.9229,  
18.2686

235.3316,  
272.4306, 254.6673

 11.2352, 15.2765,  
10.9715

283.2472,  
326.0553, 307.5766

 6.2937, 9.0136,  
5.9338

337.2617,

 3.0669, 4.7501,

386.2919, 367.3490

2.7367

397.7404,  
453.5250, 434.4032

■ 1.1892, 2.1014,  
0.9618

■ 0.0978, 0.6654,  
0.0000

■ 74.4492, 90.0332,  
78.4200

■ 74.4492, 90.0332,  
78.4200

■ 65.1887, 85.5612,  
64.3438

■ 85.2336, 95.2483,  
94.4899

■ 57.3808, 81.7973,  
52.1795

95.0500, 100.0000,  
108.9000

■ 50.9520, 78.7051,  
41.8458

■ 45.8211, 76.2449,  
33.2541

■ 41.8983, 74.3723,  
26.3081

■ 39.0823, 73.0373,  
20.9026

■ 37.2547, 72.1814,  
16.9196

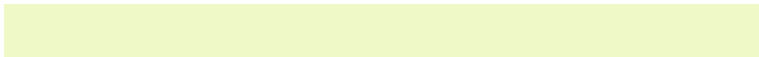
■ 36.2595, 71.7270,  
14.2238

■ 36.1230, 71.6652,  
13.8317

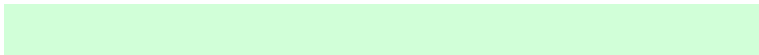
# Harmonies

## Analogous

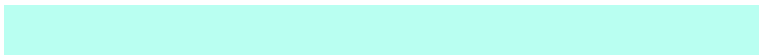
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.3289, 90.0332, 67.0802



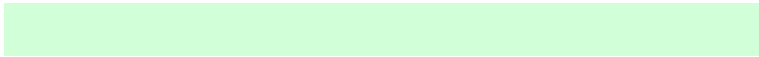
74.4492, 90.0332, 78.4200



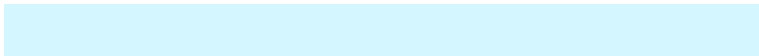
72.5327, 90.0332, 96.4529

# Triad

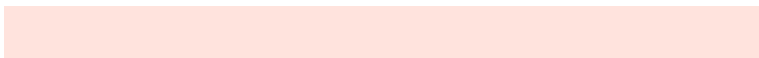
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.4492, 90.0332, 78.4200



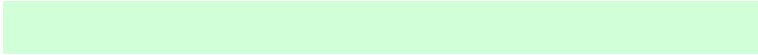
85.0211, 90.0332, 142.9776



98.3616, 90.0332, 80.8119

# Complementary

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



74.4492, 90.0332, 78.4200



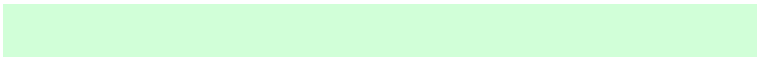
80.9841, 73.6390, 98.7521

# 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.



100.0914, 90.0332, 99.6260



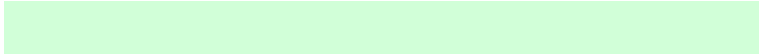
74.4492, 90.0332, 78.4200



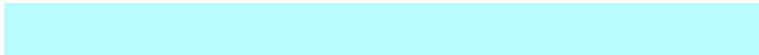
92.1382, 90.0332, 137.2821

# Square

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



74.4492, 90.0332, 78.4200



78.4202, 90.0332, 135.3058



97.7549, 90.0332, 120.6656

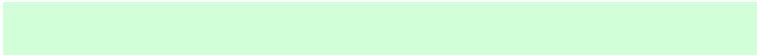


93.1499, 90.0332, 68.3197



# Rectangle

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



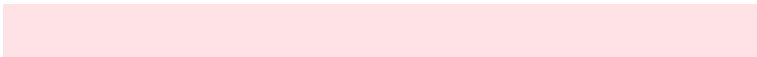
74.4492, 90.0332, 78.4200



73.1080, 90.0332, 110.5200



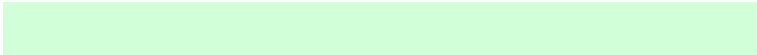
97.7549, 90.0332, 120.6656



99.3818, 90.0332, 86.5199

# Sweetspot

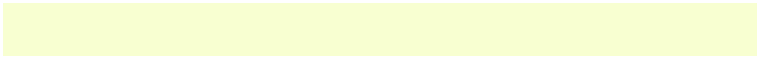
The Sweet Spot groups the original color and five complimentary colors.



74.4499, 90.0335, 78.4214



88.8219, 96.9847, 99.7781



86.0158, 96.0983, 74.3380



18.8311, 20.6714, 21.0912



0.0000, 0.0000, 0.0000

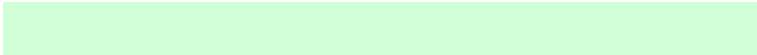


20.3446, 21.4041, 23.3091

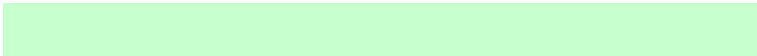


# Same Dimension

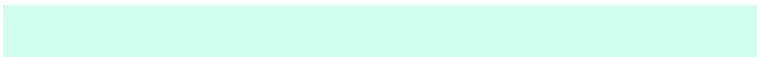
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.4499, 90.0335, 78.4214



70.6027, 88.1749, 72.6107



77.6203, 91.3017, 95.1163



17.8842, 20.2132, 19.6933



18.9085, 37.4600, 7.4032



1.8725, 3.6599, 0.8863



# Inverse Universe

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



80.9841, 73.6390, 98.7521



78.3460, 68.7431, 96.7007



77.6453, 72.3035, 81.1701



18.6669, 18.2501, 22.1288



28.0832, 13.7226, 35.4182

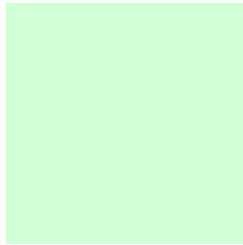


2.7651, 1.3484, 3.6105



# Previews

## White Background



This preview shows how the XYZ color 74.4492, 90.0332, 78.4200 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

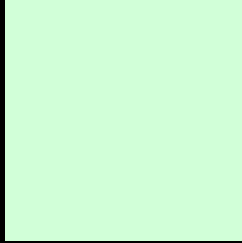
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.4492, 90.0332, 78.4200 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

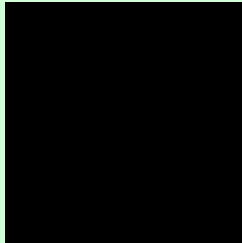
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

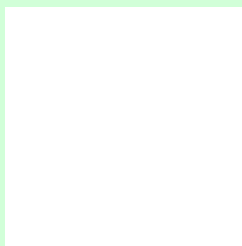
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 74.4492, 90.0332, 78.4200**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.4492, 90.0332, 78.4200.



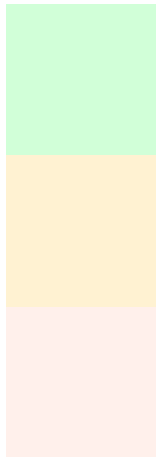
This preview shows how white text looks on a background with the XYZ color 74.4492, 90.0332,

78.4200.

# 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

74.4492, 90.0332, 78.4200

### Protanopia

84.6250, 89.4174, 73.7718

### Deuteranopia

87.3955, 89.5783, 91.2814



## Tritanopia

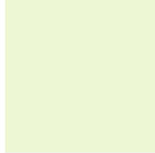
83.6574, 89.5137, 107.4764

# Trichromacy



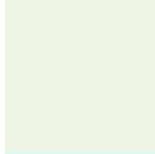
## Original Color

74.4492, 90.0332, 78.4200



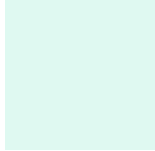
## Protanomaly

80.4043, 89.4521, 75.3156



## Deuteranomaly

81.9159, 89.0834, 86.2762



## Tritanomaly

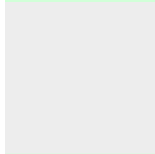
80.1843, 89.7902, 96.3242

# Monochromacy



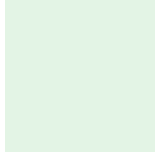
## Original Color

74.4492, 90.0332, 78.4200



## Achromatopsia

80.4953, 84.6873, 92.2245



## Achromatomaly

78.1721, 86.6894, 86.7414

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.4492, 90.0332, 78.4200 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(209, 255, 216)` looks like.

```
.text, #text, p{  
    color:rgb(209, 255, 216)  
}
```

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(209, 255, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 255, 216) }
```

## Border

The CSS property to change the border of an element to XYZ 74.4492, 90.0332, 78.4200 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(209, 255, 216) }
```



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

```
.border{ border-color:rgb(209, 255, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 255, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 255, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 255, 216);  
box-shadow:4px 4px 4px 4px rgb(209, 255,  
216) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.4492, 90.0332, 78.4200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 255, 216) }
```

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

```
.background{ background-color: rgb(209,  
255, 216) }
```

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](#).

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