

# Converting Colors

XYZ(74.9458, 90.1524, 84.6239)

Have a look what the booklet for  
XYZ(74.9458, 90.1524, 84.6239)  
contains.

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# Color

**XYZ(75.0827, 90.2216,  
84.6914)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFFFE1
RGB	207, 255, 225
RGB Percent	81%, 100%, 88%
CMY	0.1882, 0.0000, 0.1176
CMYK	0.19, 0.00, 0.12, 0.00
HSL	143°, 100%, 91%
HSV	143°, 19%, 100%
XYZ	75.0827, 90.2216, 84.6914
YIQ	237.2280, -18.9780, -19.5060

# Conversions

## Conversions Part 2

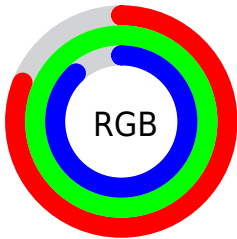
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	207, 242, 255
Decimal	13631457
CIE Lab	96.09, -20.93, 9.32
CIE LCh	96, 22.916, 155.989
Yxy	90.2216, 0.3003, 0.3609
Android (android.graphics.Color)	4291821537 (0xFFCFFFE1)
YUV	237.2280, -6.0284, -26.5100
Hunter-Lab	94.9851, -25.1252, 13.6249

# Details

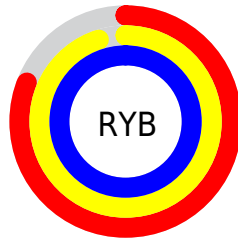
The XYZ color **75.0827, 90.2216, 84.6914** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **78.8393, 72.0009, 89.8629**, and the grayscale version is **80.7269, 84.9310, 92.4899**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.3987, 49.9658, 45.5453** is the 20% darker color. If you saturate the color by 10%, you get **66.4506, 86.0112, 73.4633**, and if you desaturate by 10%, it is **85.0699, 95.1071, 97.0452**.

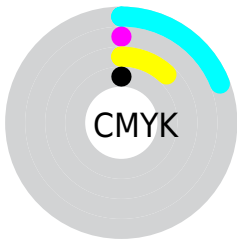
# Distribution



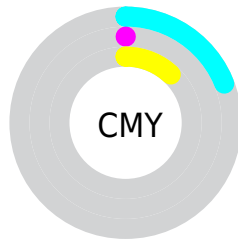
- Red (81%)
- Green (100%)
- Blue (88%)



- Red (81%)
- Yellow (95%)
- Blue (100%)



- Cyan (19%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)




- Cyan (19%)
- Magenta (0%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.0827, 90.2216, 84.6914 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 75.0827, 90.2216, 84.6914 by changing the saturation by 10% instead.




 75.0827, 90.2216,  
84.6914

 75.0827, 90.2216,  
84.6914


467.1946,  
528.7514, 530.7243

 55.9751, 68.1645,  
63.0377


125.4167,  
147.6462, 141.8123

 40.4198, 50.0315,  
45.4305


157.3738,  
183.7824, 178.1166

 28.0517, 35.4385,  
31.4513

194.3447,  
225.3804, 220.1415

 18.5053, 24.0008,  
20.6814

236.6948,  
272.8246, 268.3055

 11.4152, 15.3342,  
12.7023

284.7895,  
326.4994, 323.0273

 6.4162, 9.0543,  
7.0956

338.9941,

 3.1428, 4.7766,

386.7893, 384.7254

3.4426

399.6740,  
454.0785, 453.8182

■ 1.2297, 2.1168,  
1.3248

■ 0.1297, 0.6740,  
0.0820

■ 75.0827, 90.2216,  
84.6914

■ 75.0827, 90.2216,  
84.6914

■ 66.4506, 86.0112,  
73.4633

■ 85.0699, 95.1071,  
97.0452

■ 59.1106, 82.4441,  
63.3248

95.0500, 100.0000,  
108.9000

■ 52.9979, 79.4875,  
54.2441

■ 48.0413, 77.1055,  
46.1865

■ 44.1617, 75.2580,  
39.1150

■ 41.2692, 73.8994,  
32.9904

■ 39.2584, 72.9763,  
27.7705

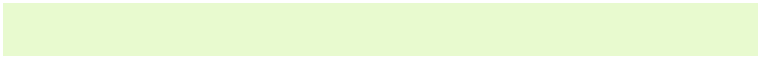
■ 37.9789, 72.4119,  
23.4085

■ 37.8543, 72.3577,  
22.9485

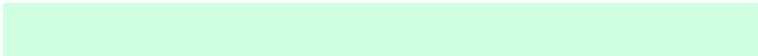
# Harmonies

## Analogous

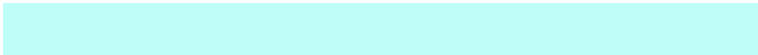
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.7806, 90.2216, 72.5866



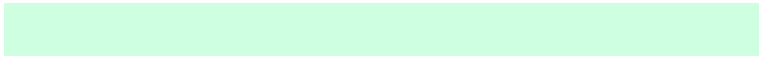
75.0827, 90.2216, 84.6914



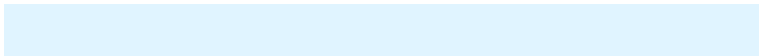
74.1810, 90.2216, 101.9276

# Triad

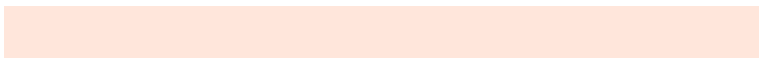
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.0827, 90.2216, 84.6914



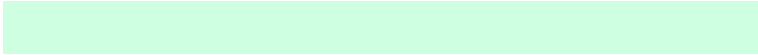
87.0324, 90.2216, 137.2507



96.0097, 90.2216, 79.0984

# Complementary

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



75.0827, 90.2216, 84.6914



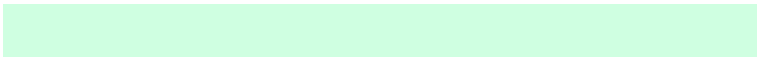
78.8393, 72.0009, 89.8629

# 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.



98.4698, 90.2216, 94.6346



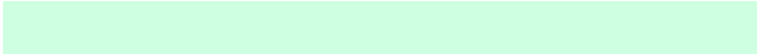
75.0827, 90.2216, 84.6914



93.1250, 90.2216, 129.3111

# Square

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



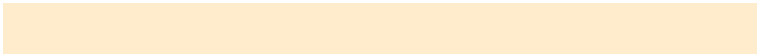
75.0827, 90.2216, 84.6914



80.8830, 90.2216, 133.7403



97.3890, 90.2216, 113.1528

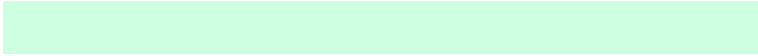


90.8145, 90.2216, 69.6470



# Rectangle

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



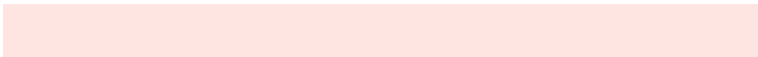
75.0827, 90.2216, 84.6914



75.2458, 90.2216, 114.3588



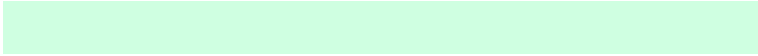
97.3890, 90.2216, 113.1528



97.1953, 90.2216, 83.7046

# Sweetspot

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



75.0835, 90.2220, 84.6928



88.1418, 96.6121, 100.7395



82.0817, 94.0986, 72.8693



18.7117, 20.6034, 21.3777



0.0000, 0.0000, 0.0000

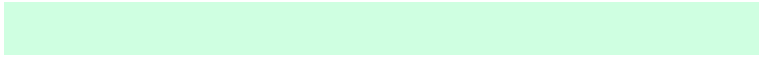


20.3446, 21.4041, 23.3091

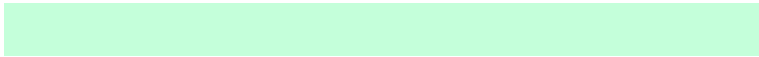


# Same Dimension

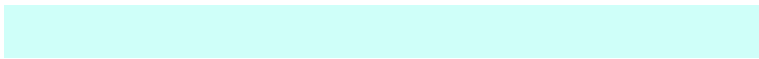
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.0835, 90.2220, 84.6928



71.3162, 88.3828, 79.8673



78.5292, 91.6003, 102.8377



18.0533, 20.2809, 20.5837



19.8460, 37.8350, 12.3404



1.9832, 3.7042, 1.4696



# Inverse Universe

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



78.8393, 72.0009, 89.8629



75.7677, 66.7814, 85.9914



75.6145, 70.7110, 72.8816



18.4869, 18.1781, 21.1810



24.9104, 12.4534, 18.7102

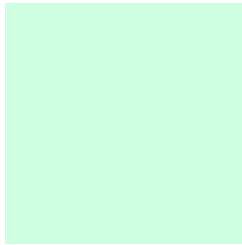


2.4785, 1.2338, 2.1010



# Previews

## White Background



This preview shows how the XYZ color 75.0827, 90.2216, 84.6914 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

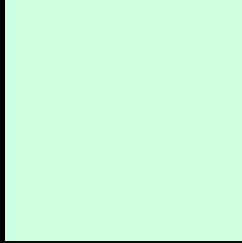
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.0827, 90.2216, 84.6914 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

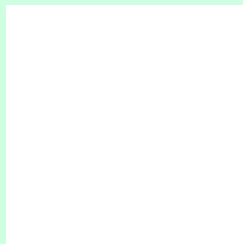
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 75.0827, 90.2216, 84.6914

## Background



This preview shows how black text looks on a background with the XYZ color 75.0827, 90.2216, 84.6914.



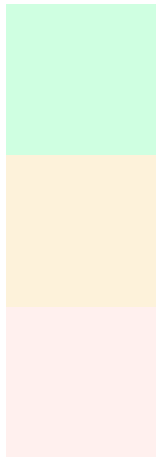
This preview shows how white text looks on a background with the XYZ color 75.0827, 90.2216,

84.6914.

# 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

75.0827, 90.2216, 84.6914

### Protanopia

84.9150, 89.4489, 79.1195

### Deuteranopia

87.8327, 89.7532, 93.5837



## Tritanopia

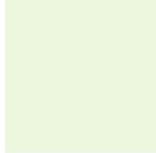
83.9608, 90.1205, 107.5775

# Trichromacy



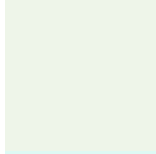
## Original Color

75.0827, 90.2216, 84.6914



## Protanomaly

80.9040, 89.5749, 81.4322



## Deuteranomaly

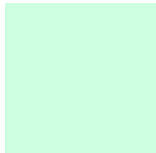
82.6203, 89.3652, 89.9854



## Tritanomaly

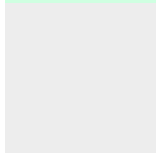
80.3290, 89.8126, 98.6897

# Monochromacy



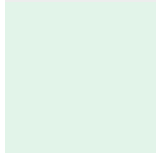
## Original Color

75.0827, 90.2216, 84.6914



## Achromatopsia

80.4953, 84.6873, 92.2245



## Achromatomaly

78.4227, 86.7533, 89.7025

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.0827, 90.2216, 84.6914 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(207, 255, 225)` looks like.

```
.text, #text, p{  
    color:rgb(207, 255, 225)  
}
```

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(207, 255, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 255, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 75.0827, 90.2216, 84.6914 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".

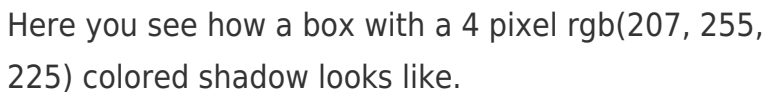
```
.border, #border, table{ border:4px solid rgb(207, 255, 225) }
```



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

```
.border{ border-color:rgb(207, 255, 225) }
```

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



Here you see how a box with a 4 pixel `rgb(207, 255, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(207, 255, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(207, 255, 225); box-shadow:4px 4px 4px 4px rgb(207, 255, 225) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.0827, 90.2216, 84.6914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 255, 225) }
```

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

```
.background{ background-color: rgb(207,  
255, 225) }
```

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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