

# Converting Colors

XYZ(75.0161, 90.3767, 76.1327)

Have a look what the booklet for  
XYZ(75.0161, 90.3767, 76.1327)  
contains.

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# Color

**XYZ(75.2108, 90.4702,  
76.4493)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D5FFD5
RGB	213, 255, 213
RGB Percent	84%, 100%, 84%
CMY	0.1647, 0.0000, 0.1647
CMYK	0.16, 0.00, 0.16, 0.00
HSL	120°, 100%, 92%
HSV	120°, 16%, 100%
XYZ	75.2108, 90.4702, 76.4493
YIQ	237.6540, -11.5500, -21.9660

# Conversions

## Conversions Part 2

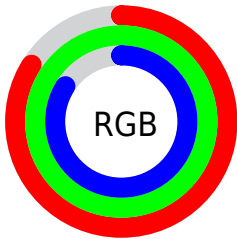
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	213, 255, 255
Decimal	14024661
CIE <sub>Lab</sub>	96.19, -21.11, 15.67
CIE <sub>LCh</sub>	96, 26.295, 143.412
Yxy	90.4702, 0.3106, 0.3736
Android (android.graphics.Color)	4292214741 (0xFFD5FFD5)
YUV	237.6540, -12.1544, -21.6216
Hunter-Lab	95.1158, -25.3076, 18.9268

# Details

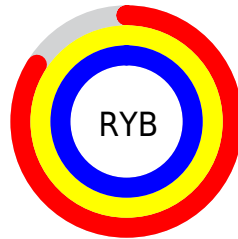
The XYZ color **75.2108, 90.4702, 76.4493** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **83.0845, 76.0691, 104.9109**, and the grayscale version is **81.0974, 85.3208, 92.9143**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.4662, 50.1259, 39.8902** is the 20% darker color. If you saturate the color by 10%, you get **65.4000, 85.7576, 60.4022**, and if you desaturate by 10%, it is **86.6949, 95.9866, 95.2339**.

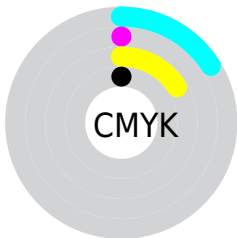
# Distribution



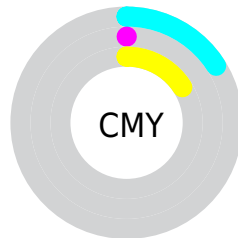
- Red (84%)
- Green (100%)
- Blue (84%)



- Red (84%)
- Yellow (100%)
- Blue (100%)



- Cyan (16%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)




- Cyan (16%)
- Magenta (0%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.2108, 90.4702, 76.4493 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 75.2108, 90.4702, 76.4493 by changing the saturation by 10% instead.




 75.2108, 90.4702,  
76.4493

 75.2108, 90.4702,  
76.4493


467.6278,  
529.5592, 502.2721

 56.0804, 68.3707,  
56.2921


125.5970,  
147.9913, 130.1277

 40.5046, 50.1994,  
40.0316

157.5835,  
184.1818, 164.4861

 28.1182, 35.5718,  
27.2492


194.5862,  
225.8380, 204.4152

 18.5557, 24.1037,  
17.5264

236.9702,  
273.3443, 250.3337

 11.4518, 15.4106,  
10.4446

285.1010,  
327.0852, 302.6601

 6.4411, 9.1080,  
5.5853

339.3440,

 3.1583, 4.8117,

387.4451, 361.8130

2.5299

400.0645,  
454.8083, 428.2108

■ 1.2380, 2.1372,  
0.8559

■ 0.1361, 0.6854,  
0.0000

■ 75.2108, 90.4702,  
76.4493

■ 75.2108, 90.4702,  
76.4493

■ 65.4000, 85.7576,  
60.4022

■ 86.6949, 95.9866,  
95.2339

■ 57.1824, 81.8103,  
46.9610

95.0500, 100.0000,  
108.9000

■ 50.4748, 78.5882,  
35.9894

■ 45.1852, 76.0474,  
27.3372

■ 41.2118, 74.1388,  
20.8379

■ 38.4393, 72.8070,  
16.3028

■ 36.7324, 71.9871,  
13.5108

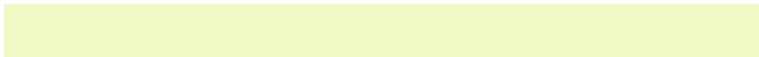
■ 35.9220, 71.5978,  
12.1851

■ 35.7600, 71.5200,  
11.9201

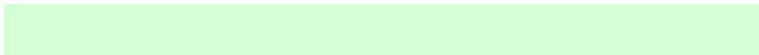
# Harmonies

## Analogous

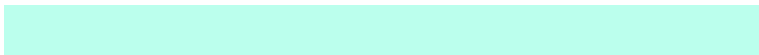
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.5352, 90.4702, 66.0490



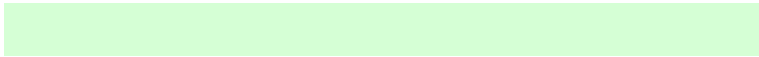
75.2108, 90.4702, 76.4493



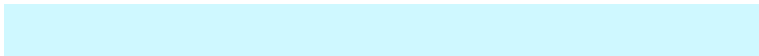
72.7938, 90.4702, 93.9692

# Triad

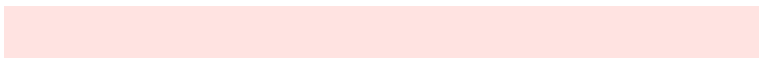
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.2108, 90.4702, 76.4493



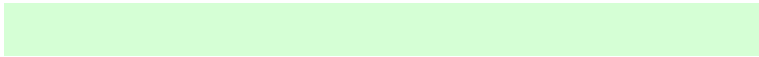
84.3899, 90.4702, 144.0459



99.5145, 90.4702, 83.3911

# Complementary

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



75.2108, 90.4702, 76.4493



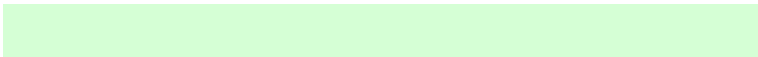
83.0845, 76.0691, 104.9109

# 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.



100.6900, 90.4702, 103.1879



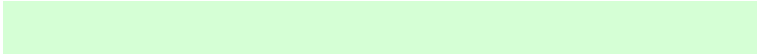
75.2108, 90.4702, 76.4493



91.6841, 90.4702, 140.1621

# Square

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



75.2108, 90.4702, 76.4493



77.8963, 90.4702, 134.4120



97.7511, 90.4702, 124.4445

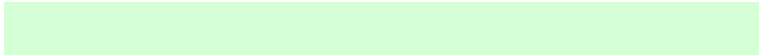


94.6241, 90.4702, 69.6430

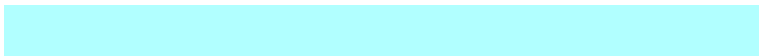


# Rectangle

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



75.2108, 90.4702, 76.4493



73.0536, 90.4702, 108.1217



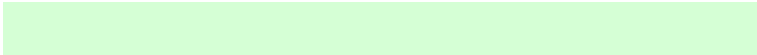
97.7511, 90.4702, 124.4445



100.3682, 90.4702, 89.4792

# Sweetspot

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



75.2115, 90.4705, 76.4507



88.5285, 96.8674, 98.2329



89.0104, 97.5842, 77.0960



18.7601, 20.6430, 20.7174



0.0000, 0.0000, 0.0000

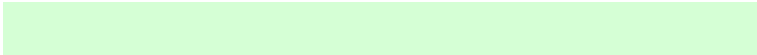


20.3446, 21.4041, 23.3091

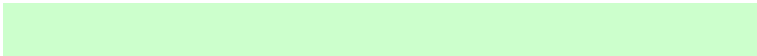


# Same Dimension

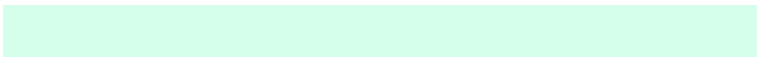
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.2115, 90.4705, 76.4507



71.5610, 88.7170, 70.4797



78.0524, 91.6069, 91.4105



17.7717, 20.1682, 19.1006



18.6854, 37.3707, 6.2286



1.8193, 3.6387, 0.6065



# Inverse Universe

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



83.0845, 76.0691, 104.9109



80.8827, 71.6657, 104.1769



79.8860, 74.7898, 88.0678



18.7927, 18.3004, 22.7917



30.9799, 14.8813, 50.6722

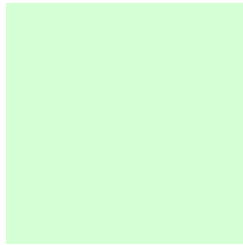


3.0164, 1.4489, 4.9338



# Previews

## White Background



This preview shows how the XYZ color 75.2108, 90.4702, 76.4493 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 75.2108, 90.4702, 76.4493 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

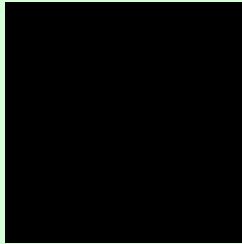
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

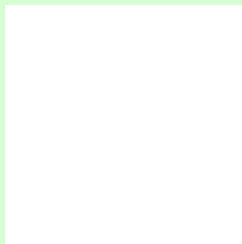
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 75.2108, 90.4702, 76.4493**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.2108, 90.4702, 76.4493.



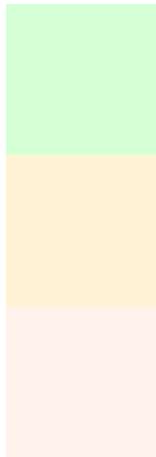
This preview shows how white text looks on a background with the XYZ color 75.2108, 90.4702,



# 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

75.2108, 90.4702, 76.4493

### Protanopia

85.0485, 90.0643, 74.5296

### Deuteranopia

87.6907, 90.1688, 91.3798



## Tritanopia

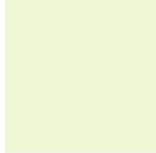
84.6341, 90.0172, 107.5221

# Trichromacy



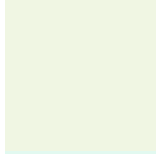
## Original Color

75.2108, 90.4702, 76.4493



## Protanomaly

81.0796, 89.8003, 75.3472



## Deuteranomaly

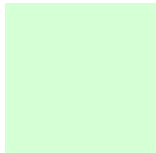
82.7561, 89.9829, 85.6798



## Tritanomaly

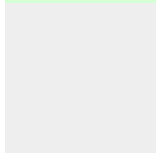
80.9679, 90.2114, 95.5832

# Monochromacy



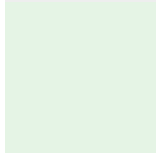
## Original Color

75.2108, 90.4702, 76.4493



## Achromatopsia

81.2670, 85.4993, 93.1087



## Achromatomaly

78.8066, 87.0165, 86.7711

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.2108, 90.4702, 76.4493 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(213, 255, 213)` looks like.

```
.text, #text, p{  
    color:rgb(213, 255, 213)  
}
```

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(213, 255, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 255, 213) }
```

## Border

The CSS property to change the border of an element to XYZ 75.2108, 90.4702, 76.4493 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".

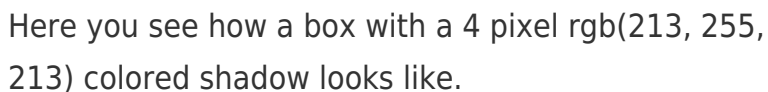
```
.border, #border, table{ border:4px solid rgb(213, 255, 213) }
```



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

```
.border{ border-color:rgb(213, 255, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(213, 255, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(213, 255, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(213, 255, 213); box-shadow:4px 4px 4px 4px rgb(213, 255, 213) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.2108, 90.4702, 76.4493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 255, 213) }
```

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

```
.background{ background-color: rgb(213,  
255, 213) }
```

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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