

# Converting Colors

XYZ(75.0510, 89.8382, 91.4741)

Have a look what the booklet for  
XYZ(75.0510, 89.8382, 91.4741)  
contains.

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# Color

**XYZ(75.2399, 90.1570,  
91.2784)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CBFFEA
RGB	203, 255, 234
RGB Percent	80%, 100%, 92%
CMY	0.2039, 0.0000, 0.0823
CMYK	0.20, 0.00, 0.08, 0.00
HSL	156°, 100%, 90%
HSV	156°, 20%, 100%
XYZ	75.2399, 90.1570, 91.2784
YIQ	237.0580, -24.2510, -17.5550

# Conversions

## Conversions Part 2

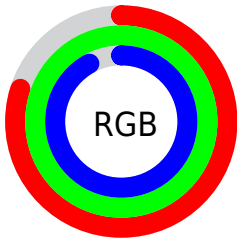
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	203, 236, 255
Decimal	13369322
CIE <sub>Lab</sub>	96.06, -20.50, 4.63
CIE <sub>LCh</sub>	96, 21.011, 167.274
Yxy	90.1570, 0.2931, 0.3512
Android (android.graphics.Color)	4291559402 (0xFFCBBFEEA)
YUV	237.0580, -1.5076, -29.8689
Hunter-Lab	94.9510, -24.7196, 9.4690

# Details

The XYZ color **75.2399, 90.1570, 91.2784** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.0511, 69.3548, 79.8997**, and the grayscale version is **80.5653, 84.7609, 92.3047**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.4427, 49.8984, 49.6193** is the 20% darker color. If you saturate the color by 10%, you get **67.4206, 86.2920, 83.4135**, and if you desaturate by 10%, it is **84.2892, 94.6461, 99.6526**.

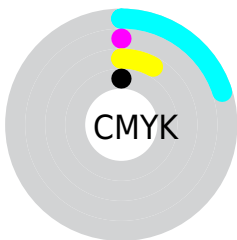
# Distribution



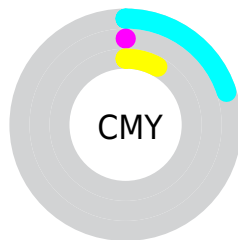
- Red (80%)
- Green (100%)
- Blue (92%)



- Red (80%)
- Yellow (93%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)




- Cyan (20%)
- Magenta (0%)
- Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.2399, 90.1570, 91.2784 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 75.2399, 90.1570, 91.2784 by changing the saturation by 10% instead.




 75.2399, 90.1570,  
91.2784

 75.2399, 90.1570,  
91.2784


467.7262,  
528.5414, 552.8578

 56.1043, 68.1109,  
68.4618


125.6380,  
147.5565, 151.0639

 40.5239, 49.9879,  
49.8045


157.6312,  
183.6786, 188.8698

 28.1333, 35.4038,  
34.8880


194.6410,  
225.2615, 232.5092

 18.5671, 23.9741,  
23.2937

237.0327,  
272.6895, 282.4007

 11.4601, 15.3144,  
14.6032

285.1718,  
326.3472, 338.9627

 6.4467, 9.0403,  
8.3979

339.4235,

 3.1618, 4.7675,

386.6188, 402.6139

4.2592

400.1532,  
453.8887, 473.7727

■ 1.2399, 2.1115,  
1.7686

■ 0.1375, 0.6711,  
0.4071

■ 75.2399, 90.1570,  
91.2784

■ 75.2399, 90.1570,  
91.2784

■ 67.4206, 86.2920,  
83.4135

■ 84.2892, 94.6461,  
99.6526

■ 60.7713, 83.0204,  
76.0434

94.6191, 99.7853,  
108.5416

■ 55.2310, 80.3109,  
69.1587

95.0500, 100.0000,  
108.9000

■ 50.7317, 78.1287,  
62.7485

■ 47.1978, 76.4349,  
56.8008

■ 44.5427, 75.1850,  
51.3033

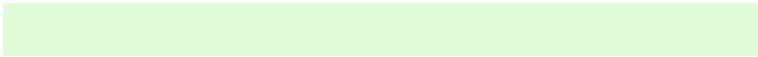
■ 42.6631, 74.3262,  
46.2424

■ 41.4295, 73.7878,  
41.7751

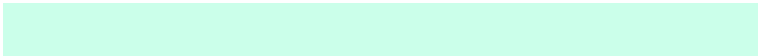
# Harmonies

## Analogous

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



77.7364, 90.1570, 78.0001



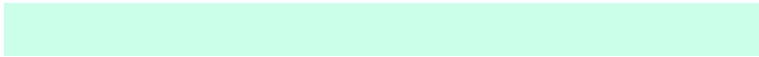
75.2399, 90.1570, 91.2784



75.4507, 90.1570, 107.9860

# Triad

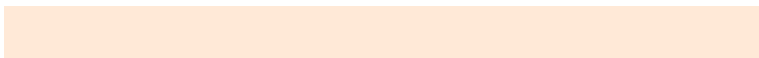
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.2399, 90.1570, 91.2784



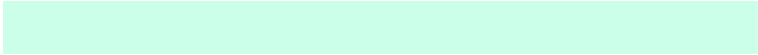
89.0552, 90.1570, 132.0329



93.5050, 90.1570, 76.4684

# Complementary

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



75.2399, 90.1570, 91.2784



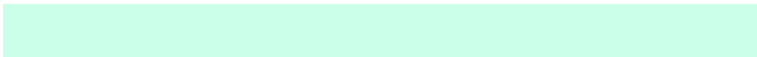
76.0511, 69.3548, 79.8997

# 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.



96.8194, 90.1570, 88.9594



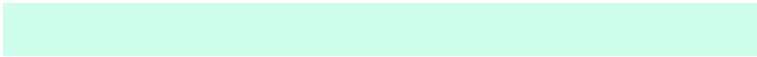
75.2399, 90.1570, 91.2784



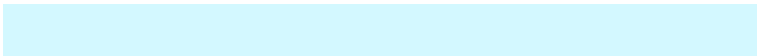
94.1717, 90.1570, 121.5378

# Square

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



75.2399, 90.1570, 91.2784



83.2517, 90.1570, 132.8361



97.0688, 90.1570, 105.3909

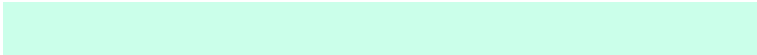


88.1786, 90.1570, 70.1228



# Rectangle

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



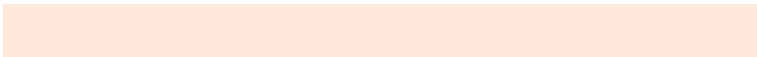
75.2399, 90.1570, 91.2784



77.0975, 90.1570, 118.8671



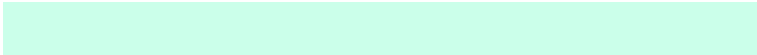
97.0688, 90.1570, 105.3909



94.9016, 90.1570, 80.0191

# Sweetspot

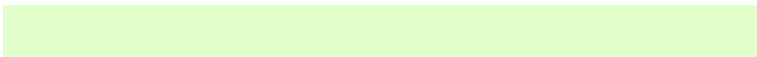
The Sweet Spot groups the original color and five complimentary colors.



75.2408, 90.1575, 91.2799



88.6644, 96.8212, 103.4918



77.4877, 91.7861, 70.1338



18.8352, 20.6528, 22.0279



0.0000, 0.0000, 0.0000

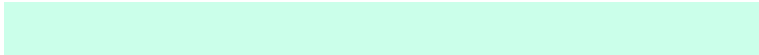


20.3446, 21.4041, 23.3091

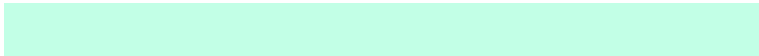


# Same Dimension

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



75.2408, 90.1575, 91.2799



72.2799, 88.6921, 88.3833



77.0724, 88.7032, 107.6670



18.2262, 20.3500, 21.4940



21.7237, 38.5861, 22.2279



2.1693, 3.7786, 2.4492



# Inverse Universe

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



76.0511, 69.3548, 79.8997



73.2096, 64.8435, 75.3405



74.4139, 70.3602, 66.1602



18.3133, 18.1087, 20.2672



22.8965, 11.6479, 8.1057

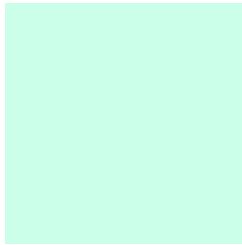


2.2817, 1.1551, 1.0650



# Previews

## White Background



This preview shows how the XYZ color 75.2399, 90.1570, 91.2784 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

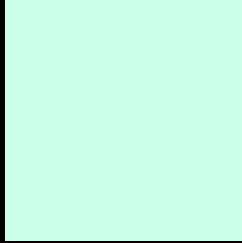
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.2399, 90.1570, 91.2784 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

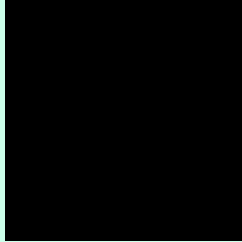
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

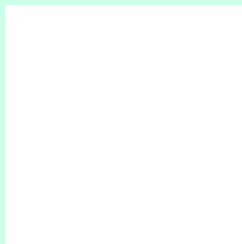
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 75.2399, 90.1570, 91.2784

## Background



This preview shows how black text looks on a background with the XYZ color 75.2399, 90.1570, 91.2784.



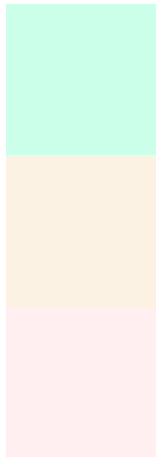
This preview shows how white text looks on a background with the XYZ color 75.2399, 90.1570,

91.2784.

# 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

75.2399, 90.1570, 91.2784

### Protanopia

85.4009, 89.5595, 85.4587

### Deuteranopia

87.9837, 89.3439, 95.8269



## Tritanopia

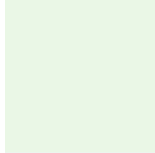
83.3189, 89.7895, 107.5475

# Trichromacy



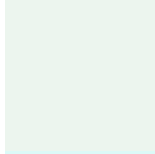
## Original Color

75.2399, 90.1570, 91.2784



## Protanomaly

81.4754, 89.7271, 87.8878



## Deuteranomaly

82.6771, 89.3107, 93.7701



## Tritanomaly

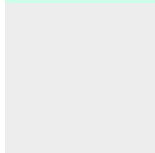
80.1794, 89.6824, 101.0802

# Monochromacy



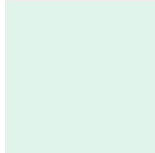
## Original Color

75.2399, 90.1570, 91.2784



## Achromatopsia

80.4953, 84.6873, 92.2245



## Achromatomaly

78.5423, 86.7650, 91.9646

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.2399, 90.1570, 91.2784 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(203, 255, 234)` looks like.

```
.text, #text, p{  
    color:rgb(203, 255, 234)  
}
```

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(203, 255, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 255, 234) }
```

## Border

The CSS property to change the border of an element to XYZ 75.2399, 90.1570, 91.2784 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(203, 255, 234) }
```



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

```
.border{ border-color:rgb(203, 255, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 255, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 255, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 255, 234);  
box-shadow:4px 4px 4px 4px rgb(203, 255,  
234) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.2399, 90.1570, 91.2784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 255, 234) }
```

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

```
.background{ background-color: rgb(203,  
255, 234) }
```

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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