

# Converting Colors

XYZ(75.2556, 82.9670, 98.9579)

Have a look what the booklet for  
XYZ(75.2556, 82.9670, 98.9579)  
contains.

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# Color

**XYZ(75.5262, 83.2701,  
99.2809)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6F0F6
RGB	214, 240, 246
RGB Percent	84%, 94%, 96%
CMY	0.1608, 0.0588, 0.0353
CMYK	0.13, 0.02, 0.00, 0.04
HSL	191°, 64%, 90%
HSV	191°, 13%, 96%
XYZ	75.5262, 83.2701, 99.2809
YIQ	232.9100, -17.4220, -3.6460

# Conversions

## Conversions Part 2

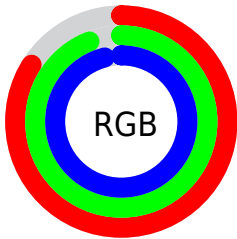
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	214, 228, 246
Decimal	14086390
CIE Lab	93.13, -7.28, -5.78
CIE LCh	93, 9.298, 218.434
Yxy	83.2701, 0.2926, 0.3227
Android (android.graphics.Color)	4292276470 (0xFFD6F0F6)
YUV	232.9100, 6.4534, -16.5841
Hunter-Lab	91.2525, -11.9541, -0.6297

# Details

The XYZ color **75.5262, 83.2701, 99.2809** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.7374, 75.6341, 74.2269**, and the grayscale version is **77.3488, 81.3769, 88.6195**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.7328, 45.3696, 55.3256** is the 20% darker color. If you saturate the color by 10%, you get **67.5425, 77.1674, 98.5251**, and if you desaturate by 10%, it is **84.6334, 90.0077, 100.1027**.

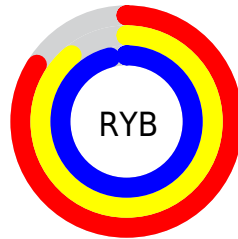
# Distribution



Red (84%)

Green (94%)

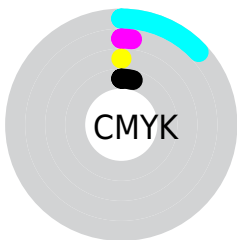
Blue (96%)



Red (84%)

Yellow (89%)

Blue (96%)

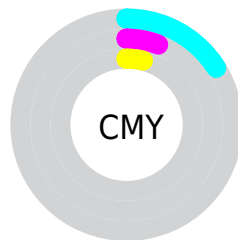


Cyan (13%)

Magenta (2%)

Yellow (0%)

Black (4%)



Cyan (16%)

Magenta (6%)

Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.5262, 83.2701, 99.2809 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 75.5262, 83.2701, 99.2809 by changing the saturation by 10% instead.



75.5262, 83.2701,  
99.2809

75.5262, 83.2701,  
99.2809

468.6936,  
505.8863, 579.1117

56.3398, 62.4130,  
75.0866

126.0409,  
137.9537, 162.2119

40.7135, 45.3665,  
55.1817

158.0998,  
172.5490, 201.7856

28.2819, 31.7462,  
39.1476

195.1803,  
212.4924, 247.3229

18.6798, 21.1677,  
26.5659

237.6477,  
258.1685, 299.2423

11.5418, 13.2467,  
17.0179

285.8674,  
309.9615, 357.9623

6.5025, 7.5986,  
10.0852

340.2047,

3.1965, 3.8392,

368.2558, 423.9016

5.3491

401.0250,  
433.4360, 497.4785

■ 1.2585, 1.5840,  
2.3912

■ 0.1518, 0.3468,  
0.7817

■ 75.5262, 83.2701,  
99.2809

■ 75.5262, 83.2701,  
99.2809

■ 67.5425, 77.1674,  
98.5251

■ 84.6334, 90.0077,  
100.1027

■ 60.6265, 71.6636,  
97.8272

■ 91.8201, 95.8045,  
100.8428

■ 54.7280, 66.7348,  
97.1868

■ 93.2643, 98.6930,  
101.3242

■ 49.7903, 62.3514,  
96.6009

■ 93.6348, 99.4339,  
101.4477

■ 45.7506, 58.4806,  
96.0667

■ 42.5385, 55.0857,  
95.5807

■ 40.0728, 52.1245,  
95.1391

■ 38.2550, 49.5458,  
94.7372

■ 37.2663, 47.9168,  
94.4749

# Harmonies

## Analogous

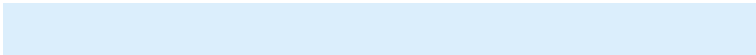
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.5937, 83.2701, 92.6525



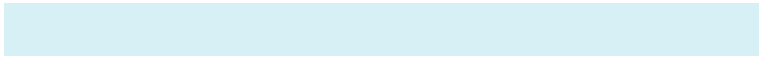
75.5262, 83.2701, 99.2809



77.4332, 83.2701, 103.7497

# Triad

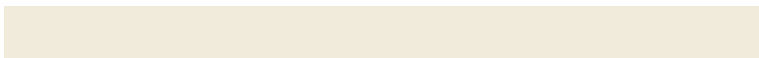
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.5262, 83.2701, 99.2809



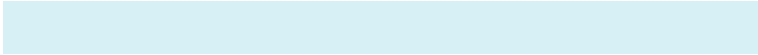
83.5909, 83.2701, 95.6976



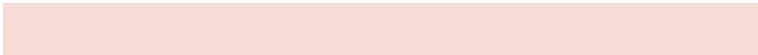
78.4594, 83.2701, 78.0112

# Complementary

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



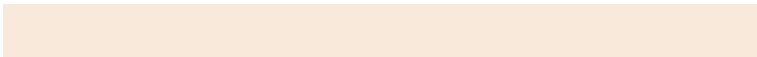
75.5262, 83.2701, 99.2809



75.7374, 75.6341, 74.2269

# 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.



80.8833, 83.2701, 78.7331



75.5262, 83.2701, 99.2809



83.8793, 83.2701, 88.7100

# Square

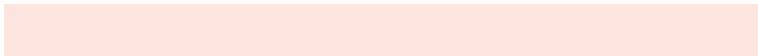
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



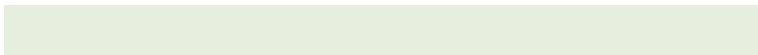
75.5262, 83.2701, 99.2809



82.0989, 83.2701, 101.6080



82.8791, 83.2701, 82.5663



76.2642, 83.2701, 80.5410

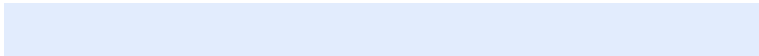


# Rectangle

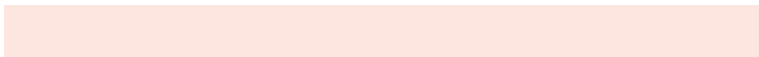
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



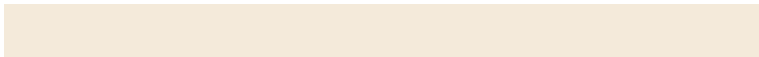
75.5262, 83.2701, 99.2809



79.0175, 83.2701, 104.7769



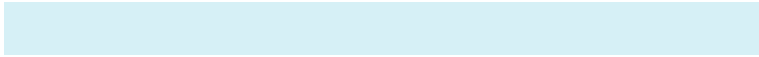
82.8791, 83.2701, 82.5663



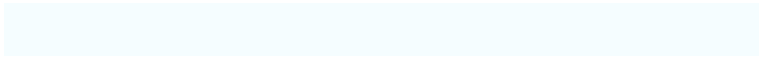
79.2741, 83.2701, 77.8843

# Sweetspot

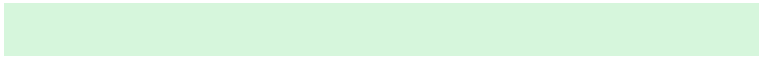
The Sweet Spot groups the original color and five complimentary colors.



75.5286, 83.2736, 99.2828



90.7897, 96.9030, 108.5268



73.5894, 85.3694, 80.2185



19.2661, 20.6193, 23.2144



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

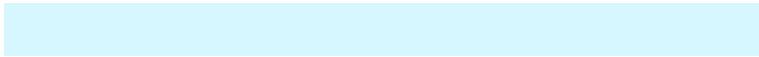


# Same Dimension

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



75.5286, 83.2736, 99.2828



79.2091, 88.2846, 107.4736



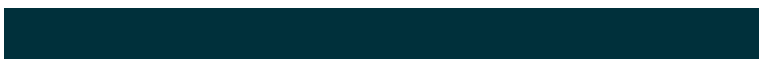
71.0591, 74.3346, 97.7929



16.7173, 18.1989, 21.1742



19.9883, 25.7704, 50.4587



1.8234, 2.3983, 4.4570



# Inverse Universe

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



77.7827, 73.9790, 92.6218



82.1804, 76.1917, 98.6576



80.1021, 84.3635, 75.6818



17.0726, 16.7119, 20.1290



25.8937, 12.7009, 30.4782

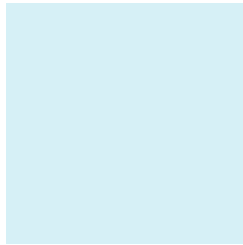


2.3094, 1.1297, 2.8559



# Previews

## White Background



This preview shows how the XYZ color 75.5262, 83.2701, 99.2809 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

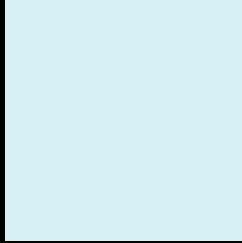
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.5262, 83.2701, 99.2809 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

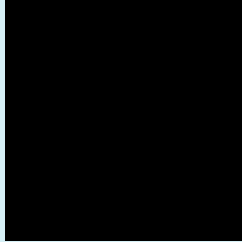
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

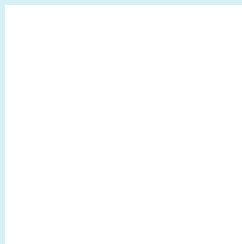
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 75.5262, 83.2701, 99.2809**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.5262, 83.2701, 99.2809.



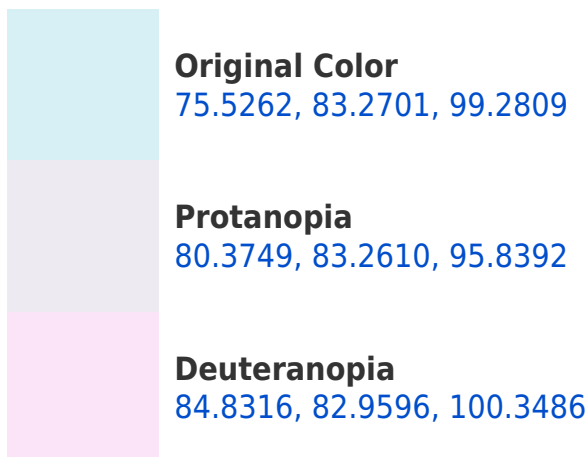
This preview shows how white text looks on a background with the XYZ color 75.5262, 83.2701,



# 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

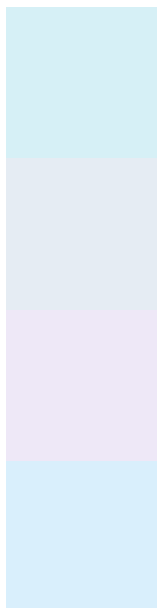




## **Tritanopia**

77.5380, 83.2745, 106.5946

# Trichromacy



## Original Color

75.5262, 83.2701, 99.2809

## Protanomaly

78.4862, 83.1200, 96.7011

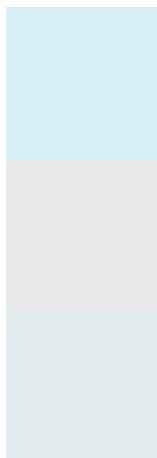
## Deuteranomaly

80.9050, 82.6058, 99.6760

## Tritanomaly

77.0525, 83.5130, 104.1540

# Monochromacy



## Original Color

75.5262, 83.2701, 99.2809

## Achromatopsia

77.4512, 81.4847, 88.7368

## Achromatomaly

76.7921, 82.3327, 92.7333

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.5262, 83.2701, 99.2809 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(214, 240, 246)` looks like.

```
.text, #text, p{  
    color:rgb(214, 240, 246)  
}
```

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(214, 240, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 240, 246) }
```

## Border

The CSS property to change the border of an element to XYZ 75.5262, 83.2701, 99.2809 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(214, 240, 246) }
```



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

```
.border{ border-color:rgb(214, 240, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 240, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 240, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 240, 246);  
box-shadow:4px 4px 4px 4px rgb(214, 240,  
246) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.5262, 83.2701, 99.2809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 240, 246) }
```

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

```
.background{ background-color: rgb(214,  
240, 246) }
```

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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