

# Converting Colors

XYZ(75.4458, 82.9359,  
106.6396)

Have a look what the booklet for  
XYZ(75.4458, 82.9359, 106.6396)  
contains.

<b>XYZ(75.5046, 83.0955, 106.6673)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(75.5046, 83.0955,  
106.6673)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1F0FF
RGB	209, 240, 255
RGB Percent	82%, 94%, 100%
CMY	0.1804, 0.0588, 0.0000
CMYK	0.18, 0.06, 0.00, 0.00
HSL	200°, 100%, 91%
HSV	200°, 18%, 100%
XYZ	75.5046, 83.0955, 106.6673
YIQ	232.4410, -23.2910, -1.9070

# Conversions

## Conversions Part 2

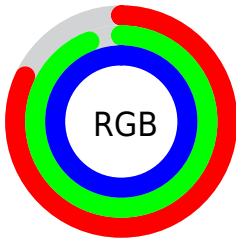
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	209, 228, 255
Decimal	13758719
CIE Lab	93.06, -7.00, -10.61
CIE LCh	93, 12.707, 236.582
Yxy	83.0955, 0.2846, 0.3133
Android (android.graphics.Color)	4291948799 (0xFFD1F0FF)
YUV	232.4410, 11.1216, -20.5578
Hunter-Lab	91.1567, -11.6738, -5.5686

# Details

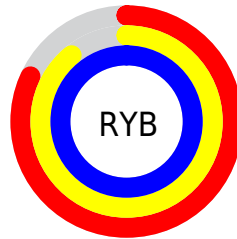
The XYZ color **75.5046, 83.0955, 106.6673** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.4040, 79.1736, 71.4203**, and the grayscale version is **76.9658, 80.9740, 88.1806**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.6600, 45.2282, 60.0130** is the 20% darker color. If you saturate the color by 10%, you get **66.4682, 74.8890, 105.5595**, and if you desaturate by 10%, it is **85.8122, 92.1281, 107.8675**.

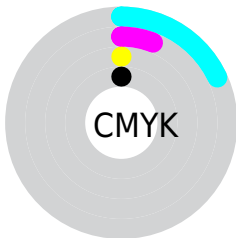
# Distribution



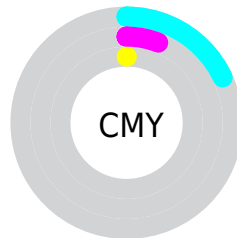
- Red (82%)
- Green (94%)
- Blue (100%)



- Red (82%)
- Yellow (89%)
- Blue (100%)



- Cyan (18%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (6%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.5046, 83.0955, 106.6673 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 75.5046, 83.0955, 106.6673 by changing the saturation by 10% instead.



■ 75.5046, 83.0955,  
106.6673

■ 75.5046, 83.0955,  
106.6673

468.6207,  
505.3047, 602.7920

■ 56.3220, 62.2689,  
81.2324

126.0105,  
137.7092, 172.4213

■ 40.6992, 45.2500,  
60.2009

158.0645,  
172.2651, 213.5775

■ 28.2707, 31.6544,  
43.1542

195.1397,  
212.1663, 260.8113

■ 18.6713, 21.0977,  
29.6739

237.6014,  
257.7971, 314.5411

■ 11.5356, 13.1954,  
19.3412

285.8150,  
309.5420, 375.1856

■ 6.4983, 7.5633,  
11.7378

340.1458,

■ 3.1939, 3.8168,

367.7853, 443.1632

6.4450

400.9593,  
432.9114, 518.8924

■ 1.2571, 1.5716,  
3.0444

■ 0.1507, 0.3383,  
1.1173

■ 75.5046, 83.0955,  
106.6673

■ 75.5046, 83.0955,  
106.6673

■ 66.4682, 74.8890,  
105.5595

■ 85.8122, 92.1281,  
107.8675

■ 58.6402, 67.4676,  
104.5396

95.0500, 100.0000,  
108.9000

■ 51.9618, 60.8008,  
103.6048

■ 46.3668, 54.8522,  
102.7515

■ 41.7815, 49.5814,  
101.9758

■ 38.1221, 44.9430,  
101.2734

■ 35.2902, 40.8836,  
100.6391

■ 33.1526, 37.3322,  
100.0662

■ 32.7779, 36.6759,  
99.9593

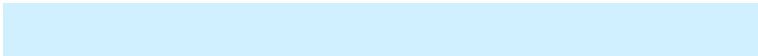
# Harmonies

## Analogous

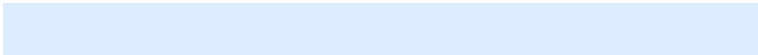
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.3893, 83.0955, 98.9358



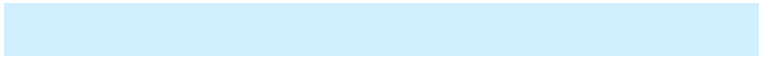
75.5046, 83.0955, 106.6673



78.5986, 83.0955, 110.0504

# Triad

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



75.5046, 83.0955, 106.6673



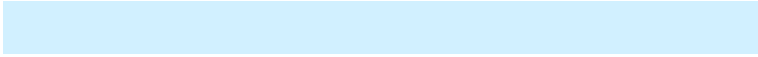
85.5473, 83.0955, 91.5749



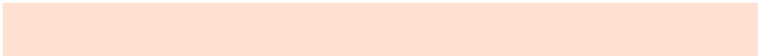
76.1482, 83.0955, 75.0442

# Complementary

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



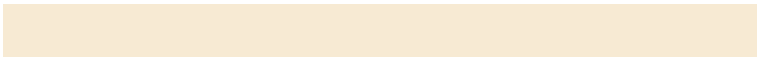
75.5046, 83.0955, 106.6673



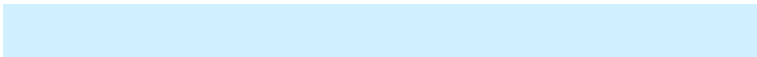
79.4040, 79.1736, 71.4203

# 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.



79.3622, 83.0955, 73.3738



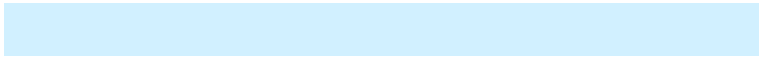
75.5046, 83.0955, 106.6673



84.8472, 83.0955, 82.5144

# Square

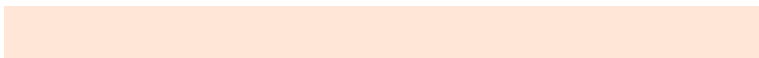
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



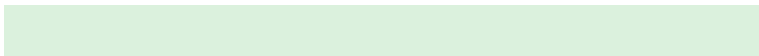
75.5046, 83.0955, 106.6673



84.4473, 83.0955, 100.9598



82.5600, 83.0955, 76.0137

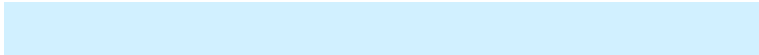


73.7535, 83.0955, 80.7459



# Rectangle

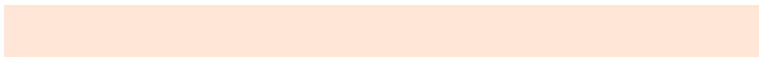
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



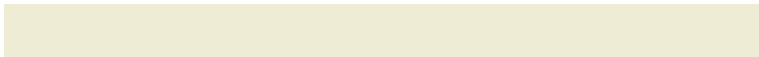
75.5046, 83.0955, 106.6673



80.8218, 83.0955, 109.2204



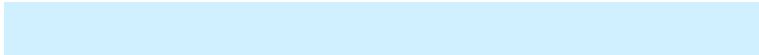
82.5600, 83.0955, 76.0137



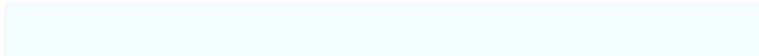
77.1660, 83.0955, 74.0107

# Sweetspot

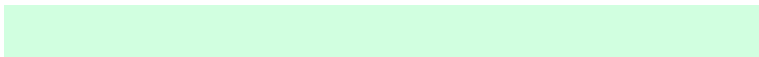
The Sweet Spot groups the original color and five complimentary colors.



75.5068, 83.0988, 106.6678



89.2021, 95.0382, 108.2505



75.4513, 90.4341, 83.6934



18.9228, 20.1965, 23.1509



0.0000, 0.0000, 0.0000

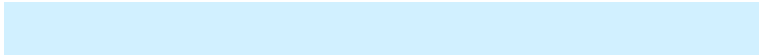


20.3446, 21.4041, 23.3091

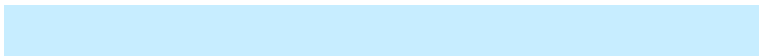


# Same Dimension

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



75.5068, 83.0988, 106.6678



71.7774, 79.7499, 106.2179



69.2705, 70.6262, 104.5890



18.0265, 19.4246, 23.0492



17.2690, 19.4476, 52.2782



1.7810, 2.0927, 5.1233



# Inverse Universe

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



79.7700, 73.1538, 92.3577



76.8844, 68.1584, 89.0036



85.8775, 92.1207, 73.5781



18.5260, 18.1937, 21.3872



25.5048, 12.6912, 21.8405

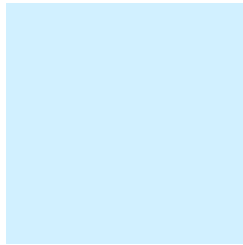


2.5336, 1.2558, 2.3913



# Previews

## White Background



This preview shows how the XYZ color 75.5046, 83.0955, 106.6673 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

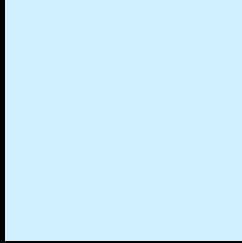
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.5046, 83.0955, 106.6673 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

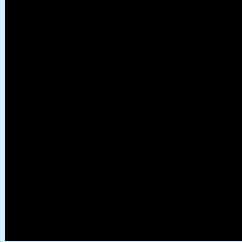
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 75.5046, 83.0955, 106.6673

## Background



This preview shows how black text looks on a background with the XYZ color 75.5046, 83.0955, 106.6673.



This preview shows how white text looks on a background with the XYZ color 75.5046, 83.0955,



# 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

75.5046, 83.0955, 106.6673

### Protanopia

80.4832, 82.7353, 102.9944

### Deuteranopia

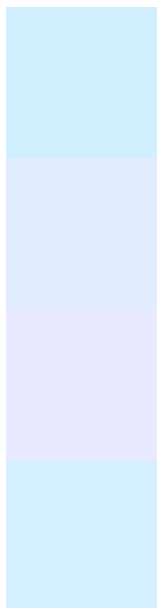
84.0753, 82.8515, 106.1684



## Tritanopia

76.6481, 83.2491, 106.6366

# Trichromacy



## Original Color

75.5046, 83.0955, 106.6673

## Protanomaly

78.6175, 83.0267, 103.9776

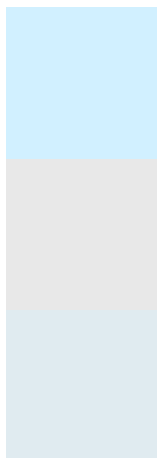
## Deuteranomaly

80.7932, 82.8215, 106.3356

## Tritanomaly

76.0679, 82.9501, 106.6095

# Monochromacy



## Original Color

75.5046, 83.0955, 106.6673

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

76.1770, 81.5552, 94.1649

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.5046, 83.0955, 106.6673 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, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(209, 240, 255)  
}
```

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, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 240, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 75.5046, 83.0955, 106.6673 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, 240, 255) }
```



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

```
.border{ border-color:rgb(209, 240, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(209, 240,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.5046, 83.0955, 106.6673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 240, 255) }
```

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

```
.background{ background-color: rgb(209,  
240, 255) }
```

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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