

# Converting Colors

XYZ(75.3946, 82.1719,  
106.4948)

Have a look what the booklet for  
XYZ(75.3946, 82.1719, 106.4948)  
contains.

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# Color

**XYZ(75.4885, 82.2180,  
106.4987)**

# Conversions

Conversions Part 1	
Format	Color
Hex	D3EEFF
RGB	211, 238, 255
RGB Percent	83%, 93%, 100%
CMY	0.1725, 0.0666, 0.0000
CMYK	0.17, 0.07, 0.00, 0.00
HSL	203°, 100%, 91%
HSV	203°, 17%, 100%
XYZ	75.4885, 82.2180, 106.4987
YIQ	231.8650, -21.5490, -0.4370

# Conversions

## Conversions Part 2

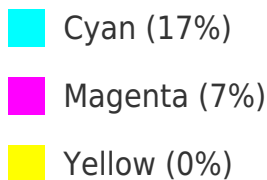
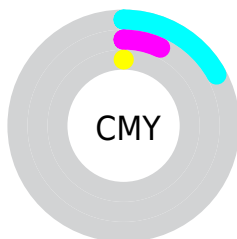
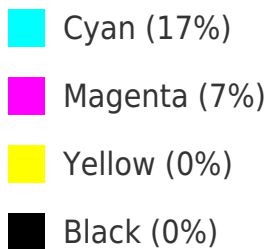
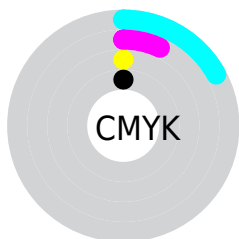
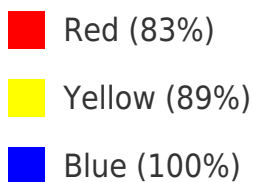
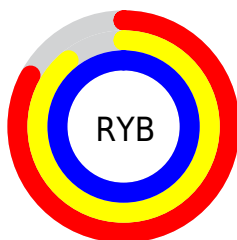
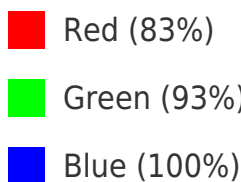
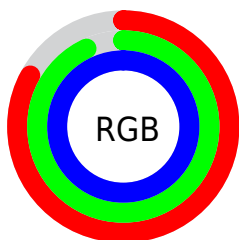
Format	Color
<a href="#">RYB</a>	<a href="#">211, 228, 255</a>
Decimal	<a href="#">13889279</a>
CIELab	<a href="#">92.67, -5.37, -11.17</a>
CIELCh	<a href="#">93, 12.390, 244.313</a>
Yxy	<a href="#">82.2180, 0.2857, 0.3112</a>
Android (android.graphics.Color)	<a href="#">4292079359</a> (0xFFD3EEFF)
YUV	<a href="#">231.8650, 11.4056, -18.2986</a>
Hunter-Lab	<a href="#">90.6741, -10.0740, -6.1655</a>

# Details

The XYZ color **75.4885, 82.2180, 106.4987** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.7409, 81.4486, 73.0953**, and the grayscale version is **76.5316, 80.5172, 87.6833**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.6313, 44.6010, 59.8934** is the 20% darker color. If you saturate the color by 10%, you get **65.9652, 73.1691, 105.2541**, and if you desaturate by 10%, it is **86.3320, 92.1847, 107.8510**.

# Distribution





# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.4885, 82.2180, 106.4987 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 75.4885, 82.2180, 106.4987 by changing the saturation by 10% instead.




 75.4885, 82.2180,  
106.4987

 75.4885, 82.2180,  
106.4987


468.5663,  
502.3766, 602.2569

 56.3088, 61.5452,  
81.0918


125.9878,  
136.4797, 172.1891

 40.6885, 44.6653,  
60.0858


158.0381,  
170.8374, 213.3097

 28.2624, 31.1939,  
43.0620


195.1093,  
210.5255, 260.5053

 18.6650, 20.7466,  
29.6020

237.5668,  
255.9285, 314.1944

 11.5310, 12.9389,  
19.2872

285.7759,  
307.4307, 374.7955

 6.4951, 7.3865,  
11.6991

340.1019,

 3.1919, 3.7049,

365.4165, 442.7273

6.4191

400.9102,  
430.2704, 518.4083

■ 1.2560, 1.5099,  
3.0287

■ 0.1499, 0.2957,  
1.1093

■ 75.4885, 82.2180,  
106.4987

■ 75.4885, 82.2180,  
106.4987

■ 65.9652, 73.1691,  
105.2541

■ 86.3320, 92.1847,  
107.8510

■ 57.6984, 64.9952,  
104.1120

95.0500, 100.0000,  
108.9000

■ 50.6289, 57.6639,  
103.0696

■ 44.6898, 51.1370,  
102.1228

■ 39.8069, 45.3721,  
101.2674

■ 35.8963, 40.3221,  
100.4987

■ 32.8598, 35.9320,  
99.8114

■ 30.5713, 32.1324,  
99.1986

■ 30.0228, 31.1655,  
99.0409

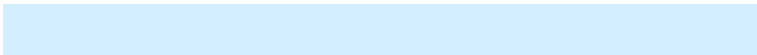
# Harmonies

## Analogous

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



73.1348, 82.2180, 99.9106



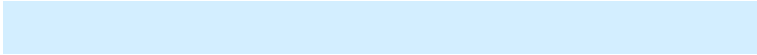
75.4885, 82.2180, 106.4987



78.6130, 82.2180, 108.4243

# Triad

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



75.4885, 82.2180, 106.4987



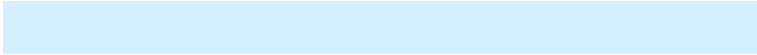
84.4939, 82.2180, 88.1925



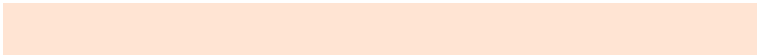
74.7019, 82.2180, 75.6391

# Complementary

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



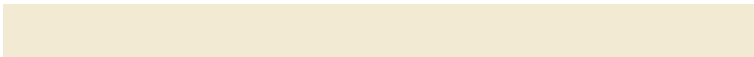
75.4885, 82.2180, 106.4987



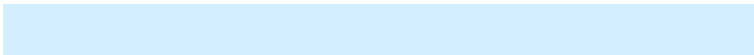
80.7409, 81.4486, 73.0953

# Split Complementary

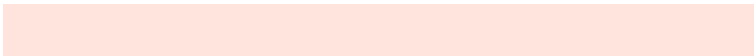
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.6803, 82.2180, 72.9541



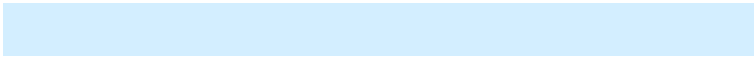
75.4885, 82.2180, 106.4987



83.3805, 82.2180, 79.8787

# Square

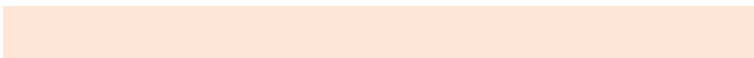
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



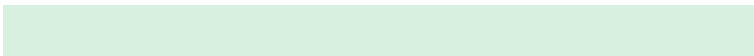
75.4885, 82.2180, 106.4987



83.8683, 82.2180, 97.4423



80.8646, 82.2180, 74.4517

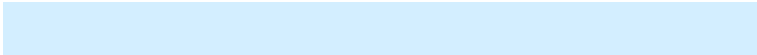


72.6896, 82.2180, 82.0419



# Rectangle

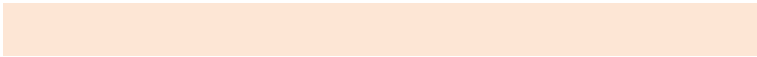
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.4885, 82.2180, 106.4987



80.7268, 82.2180, 106.7010



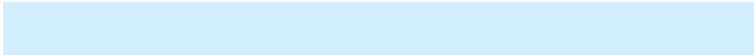
80.8646, 82.2180, 74.4517



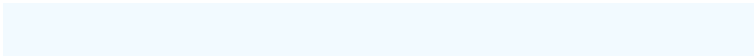
75.6203, 82.2180, 74.2926

# Sweetspot

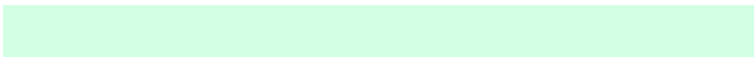
The Sweet Spot groups the original color and five complimentary colors.



75.4907, 82.2213, 106.4993



88.9628, 94.5594, 108.1707



76.6100, 90.9634, 86.8228



18.8645, 20.0800, 23.1315



0.0000, 0.0000, 0.0000

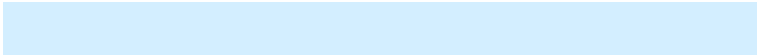


20.3446, 21.4041, 23.3091

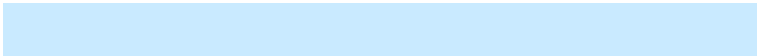


# Same Dimension

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



75.4907, 82.2213, 106.4993



71.7712, 78.7253, 106.0205



69.5053, 70.2504, 104.5041



17.9312, 19.2340, 23.0174



15.8367, 16.5830, 51.8007



1.6480, 1.8266, 5.0790



# Inverse Universe

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



79.9682, 74.0231, 90.9660



77.1283, 69.2021, 87.3718



87.1425, 94.2518, 75.2292



18.4779, 18.1745, 21.1339



24.7818, 12.4020, 18.0334

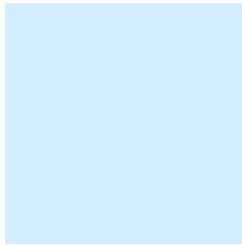


2.4664, 1.2289, 2.0376



# Previews

## White Background



This preview shows how the XYZ color 75.4885, 82.2180, 106.4987 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

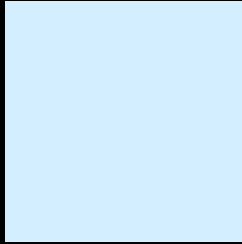
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.4885, 82.2180, 106.4987 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

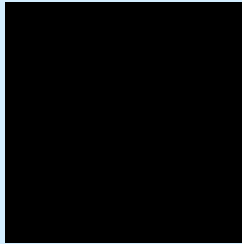
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

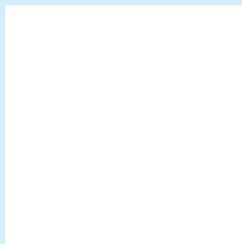
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 75.4885, 82.2180, 106.4987**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.4885, 82.2180, 106.4987.



This preview shows how white text looks on a background with the XYZ color 75.4885, 82.2180,



# 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

75.4885, 82.2180, 106.4987

### Protanopia

79.8735, 82.0019, 102.8850

### Deuteranopia

83.1016, 81.9399, 106.0438



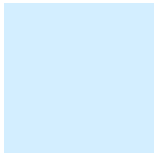
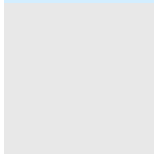
## Tritanopia

75.7748, 81.9345, 106.4289

# Trichromacy

	<b>Original Color</b> 75.4885, 82.2180, 106.4987
	<b>Protanomaly</b> 78.0448, 81.8815, 103.7868
	<b>Deuteranomaly</b> 80.1853, 82.0890, 106.2263
	<b>Tritanomaly</b> 75.4856, 81.7854, 106.4154

# Monochromacy

	<b>Original Color</b> 75.4885, 82.2180, 106.4987
	<b>Achromatopsia</b> 76.7008, 80.6952, 87.8771
	<b>Achromatomaly</b> 75.8915, 80.9842, 94.0697

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.4885, 82.2180, 106.4987 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(211, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(211, 238, 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(211, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 238, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 75.4885, 82.2180, 106.4987 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(211, 238, 255) }
```



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

```
.border{ border-color:rgb(211, 238, 255) }
```

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

Here you see how a box with a 4 pixel rgb(211, 238, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(211, 238,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.4885, 82.2180, 106.4987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 238, 255) }
```

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

```
.background{ background-color: rgb(211,  
238, 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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