

# Converting Colors

XYZ(73.4685, 81.5327,  
106.4729)

Have a look what the booklet for  
XYZ(73.4685, 81.5327, 106.4729)  
contains.

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# Color

**XYZ(73.5451, 81.6495,  
106.4914)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CBEFFF
RGB	203, 239, 255
RGB Percent	80%, 94%, 100%
CMY	0.2039, 0.0627, 0.0000
CMYK	0.20, 0.06, 0.00, 0.00
HSL	198°, 100%, 90%
HSV	198°, 20%, 100%
XYZ	73.5451, 81.6495, 106.4914
YIQ	230.0600, -26.5920, -2.6560

# Conversions

## Conversions Part 2

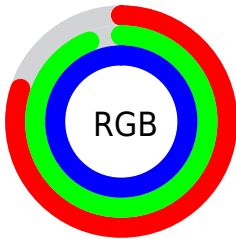
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	203, 224, 255
Decimal	13365247
CIE Lab	92.42, -8.30, -11.59
CIE LCh	92, 14.257, 234.413
Yxy	81.6495, 0.2810, 0.3120
Android (android.graphics.Color)	4291555327 (0xFFCBEFFF)
YUV	230.0600, 12.2954, -23.7316
Hunter-Lab	90.3601, -12.8471, -6.6225

# Details

The XYZ color **73.5451, 81.6495, 106.4914** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.3508, 76.2339, 67.1394**, and the grayscale version is **75.1860, 79.1015, 86.1416**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.3393, 44.2401, 59.8919** is the 20% darker color. If you saturate the color by 10%, you get **64.9171, 73.8681, 105.4442**, and if you desaturate by 10%, it is **83.4193, 90.2256, 107.6264**.

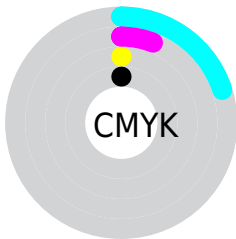
# Distribution



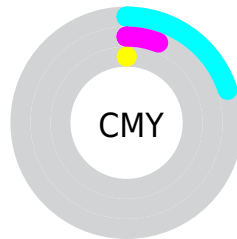
- Red (80%)
- Green (94%)
- Blue (100%)



- Red (80%)
- Yellow (88%)
- Blue (100%)



- Cyan (20%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (6%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.5451, 81.6495, 106.4914 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 73.5451, 81.6495, 106.4914 by changing the saturation by 10% instead.



73.5451, 81.6495,  
106.4914

73.5451, 81.6495,  
106.4914

461.9765,  
500.4745, 602.2337

54.7118, 61.0767,  
81.0857

123.2497,  
135.6824, 172.1790

39.4039, 44.2870,  
60.0808

154.8517,  
169.9112, 213.2981

27.2562, 30.8962,  
43.0580

191.4406,  
209.4608, 260.4920

17.9033, 20.5198,  
29.5989

233.3818,  
254.7156, 314.1794

10.9799, 12.7735,  
19.2849

281.0406,  
306.0600, 374.7787

6.1205, 7.2728,  
11.6974

334.7824,

2.9598, 3.6333,

363.8783, 442.7085

6.4180

394.9726,  
428.5551, 518.3873

■ 1.1326, 1.4706,  
3.0280

■ 0.0521, 0.2679,  
1.1089

■ 73.5451, 81.6495,  
106.4914

■ 73.5451, 81.6495,  
106.4914

■ 64.9171, 73.8681,  
105.4442

■ 83.4193, 90.2256,  
107.6264

■ 57.4717, 66.8403,  
104.4801

94.5863, 99.6158,  
108.8503

■ 51.1494, 60.5357,  
103.5964

95.0500, 100.0000,  
108.9000

■ 45.8824, 54.9174,  
102.7896

■ 41.5954, 49.9447,  
102.0557

■ 38.2019, 45.5709,  
101.3904

■ 35.5991, 41.7410,  
100.7883

■ 33.6850, 38.4899,  
100.2617

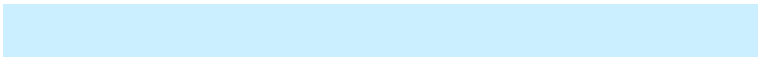
# Harmonies

## Analogous

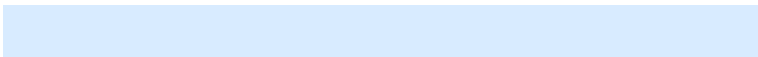
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.3159, 81.6495, 97.5772



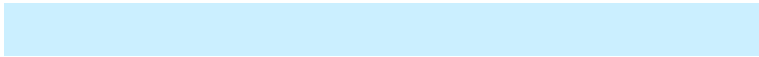
73.5451, 81.6495, 106.4914



76.9159, 81.6495, 110.7222

# Triad

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



73.5451, 81.6495, 106.4914



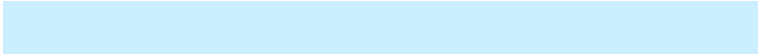
84.8909, 81.6495, 90.8977



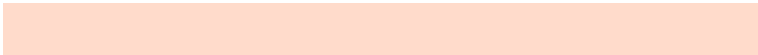
74.7068, 81.6495, 71.6367

# Complementary

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



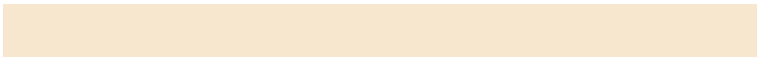
73.5451, 81.6495, 106.4914



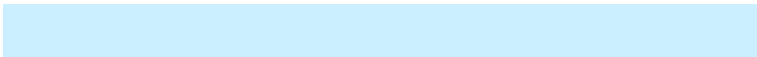
77.3508, 76.2339, 67.1394

# 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.



78.2990, 81.6495, 70.1559



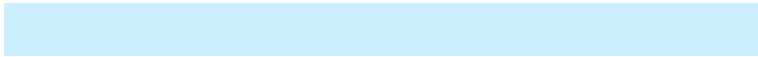
73.5451, 81.6495, 106.4914



84.2542, 81.6495, 80.7577

# Square

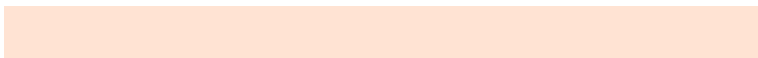
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



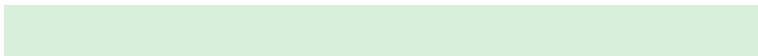
73.5451, 81.6495, 106.4914



83.5258, 81.6495, 101.2729



81.8125, 81.6495, 73.3654

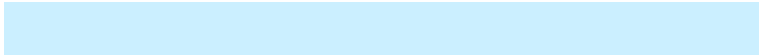


71.9716, 81.6495, 77.5827



# Rectangle

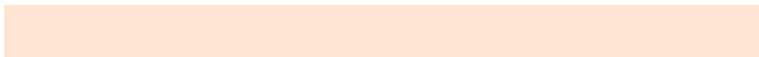
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.5451, 81.6495, 106.4914



79.3867, 81.6495, 110.0943



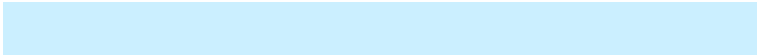
81.8125, 81.6495, 73.3654



75.8510, 81.6495, 70.6211

# Sweetspot

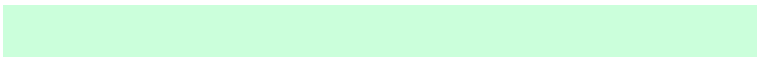
The Sweet Spot groups the original color and five complimentary colors.



73.5473, 81.6527, 106.4919



88.1603, 94.2466, 108.1526



73.1232, 89.3104, 80.1281



18.7156, 20.0425, 23.1321



0.0000, 0.0000, 0.0000

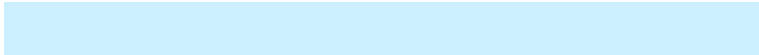


20.3446, 21.4041, 23.3091

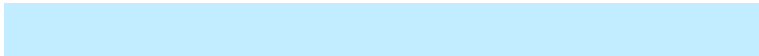


# Same Dimension

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



73.5473, 81.6527, 106.4919



70.2924, 78.7540, 106.1040



66.5749, 67.7080, 104.1678



18.0557, 19.4830, 23.0589



17.7396, 20.3889, 52.4350



1.8242, 2.1791, 5.1377



# Inverse Universe

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



78.1773, 70.2055, 91.0957



75.6529, 65.8208, 88.2068



84.5515, 90.6353, 69.5397



18.5408, 18.1996, 21.4648



25.7423, 12.7862, 23.0914

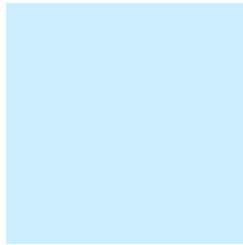


2.5554, 1.2645, 2.5060



# Previews

## White Background



This preview shows how the XYZ color 73.5451, 81.6495, 106.4914 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

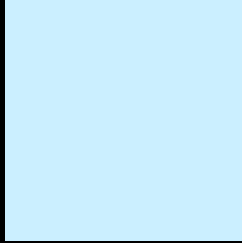
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.5451, 81.6495, 106.4914 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

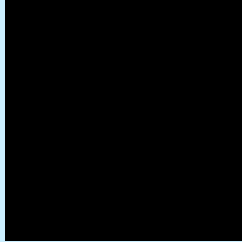
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

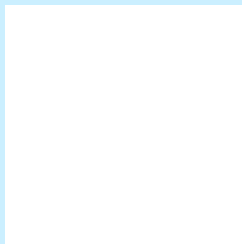
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 73.5451, 81.6495, 106.4914

## Background



This preview shows how black text looks on a background with the XYZ color 73.5451, 81.6495, 106.4914.



This preview shows how white text looks on a background with the XYZ color 73.5451, 81.6495,



# 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

73.5451, 81.6495, 106.4914

### Protanopia

79.1099, 81.2098, 101.9480

### Deuteranopia

82.4812, 81.2129, 105.9362



## Tritanopia

74.3567, 81.6345, 106.4458

# Trichromacy



## Original Color

73.5451, 81.6495, 106.4914

## Protanomaly

76.8123, 81.2461, 103.7291

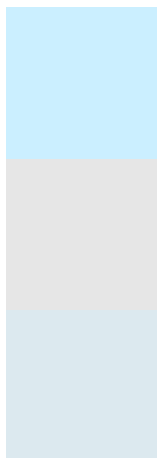
## Deuteranomaly

78.6208, 80.8658, 106.0726

## Tritanomaly

74.0781, 81.4909, 106.4327

# Monochromacy



## Original Color

73.5451, 81.6495, 106.4914

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

74.2341, 79.7255, 93.1374

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.5451, 81.6495, 106.4914 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, 239, 255)` looks like.

```
.text, #text, p{  
    color:rgb(203, 239, 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(203, 239, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 239, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 73.5451, 81.6495, 106.4914 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, 239, 255) }
```



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

```
.border{ border-color:rgb(203, 239, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 239, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 239, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 239, 255);  
box-shadow:4px 4px 4px 4px rgb(203, 239,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.5451, 81.6495, 106.4914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 239, 255) }
```

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

```
.background{ background-color: rgb(203,  
239, 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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