

# Converting Colors

XYZ(74.8782, 82.5884,  
106.6024)

Have a look what the booklet for  
XYZ(74.8782, 82.5884, 106.6024)  
contains.

<b>XYZ(74.9422, 82.8056, 106.6409)</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(74.9422, 82.8056,  
106.6409)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFF0FF
RGB	207, 240, 255
RGB Percent	81%, 94%, 100%
CMY	0.1882, 0.0588, 0.0000
CMYK	0.19, 0.06, 0.00, 0.00
HSL	199°, 100%, 91%
HSV	199°, 19%, 100%
XYZ	74.9422, 82.8056, 106.6409
YIQ	231.8430, -24.4830, -2.3310

# Conversions

## Conversions Part 2

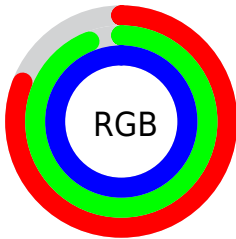
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	207, 227, 255
Decimal	13627647
CIE Lab	92.93, -7.60, -10.81
CIE LCh	93, 13.215, 234.875
Yxy	82.8056, 0.2835, 0.3132
Android (android.graphics.Color)	4291817727 (0xFFCFF0FF)
YUV	231.8430, 11.4164, -21.7873
Hunter-Lab	90.9976, -12.2399, -5.7842

# Details

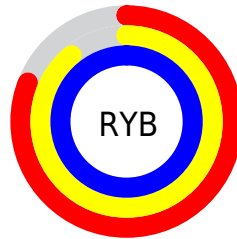
The XYZ color **74.9422, 82.8056, 106.6409** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.6234, 78.0064, 69.9460**, and the grayscale version is **76.5167, 80.5015, 87.6661**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.2824, 45.0336, 59.9953** is the 20% darker color. If you saturate the color by 10%, you get **66.0916, 74.8395, 105.5698**, and if you desaturate by 10%, it is **85.0507, 91.5773, 107.8013**.

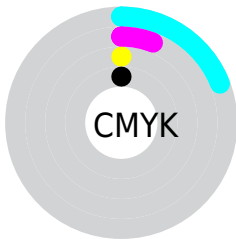
# Distribution



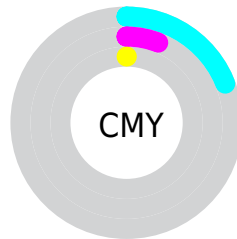
- Red (81%)
- Green (94%)
- Blue (100%)



- Red (81%)
- Yellow (89%)
- Blue (100%)



- Cyan (19%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (19%)
- Magenta (6%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.9422, 82.8056, 106.6409 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 74.9422, 82.8056, 106.6409 by changing the saturation by 10% instead.



74.9422, 82.8056,  
106.6409

74.9422, 82.8056,  
106.6409

466.7191,  
504.3384, 602.7082

55.8595, 62.0298,  
81.2104

125.2189,  
137.3032, 172.3850

40.3269, 45.0568,  
60.1829

157.1436,  
171.7937, 213.5356

27.9788, 31.5021,  
43.1398

194.0798,  
211.6246, 260.7634

18.4501, 20.9815,  
29.6626

236.3927,  
257.1803, 314.4868

11.3752, 13.1105,  
19.3328

284.4477,  
308.8451, 375.1245

6.3890, 7.5047,  
11.7317

338.6102,

3.1259, 3.7797,

367.0034, 443.0949

6.4410

399.2456,  
432.0398, 518.8166

■ 1.2207, 1.5511,  
3.0419

■ 0.1226, 0.3243,  
1.1161

■ 74.9422, 82.8056,  
106.6409

■ 74.9422, 82.8056,  
106.6409

■ 66.0916, 74.8395,  
105.5698

■ 85.0507, 91.5773,  
107.8013

■ 58.4358, 67.6382,  
104.5833

95.0500, 100.0000,  
108.9000

■ 51.9161, 61.1715,  
103.6787

■ 46.4658, 55.4030,  
102.8526

■ 42.0107, 50.2924,  
102.1009

■ 38.4664, 45.7941,  
101.4195

■ 35.7330, 41.8546,  
100.8032

■ 33.6665, 38.3972,  
100.2447

■ 33.4452, 38.0105,  
100.1817

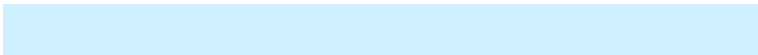
# Harmonies

## Analogous

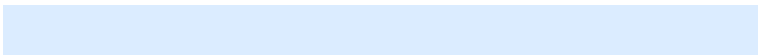
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.8278, 82.8056, 98.4063



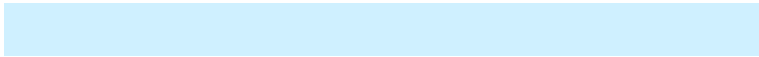
74.9422, 82.8056, 106.6409



78.1121, 82.8056, 110.4772

# Triad

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



74.9422, 82.8056, 106.6409



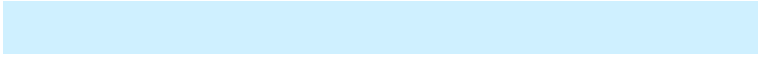
85.5105, 82.8056, 91.8721



75.9418, 82.8056, 73.9732

# Complementary

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



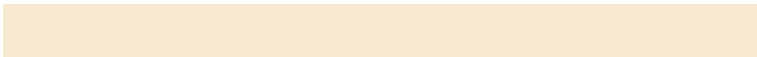
74.9422, 82.8056, 106.6409



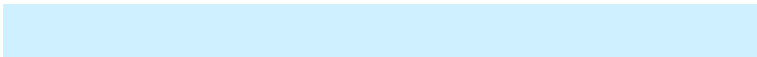
78.6234, 78.0064, 69.9460

# Split Complementary

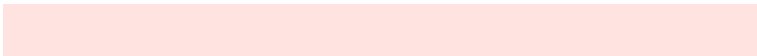
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.2994, 82.8056, 72.5023



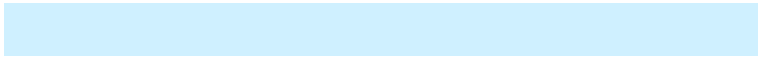
74.9422, 82.8056, 106.6409



84.8886, 82.8056, 82.3900

# Square

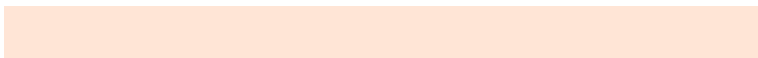
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



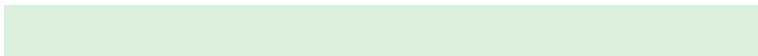
74.9422, 82.8056, 106.6409



84.2657, 82.8056, 101.5611



82.5901, 82.8056, 75.4733

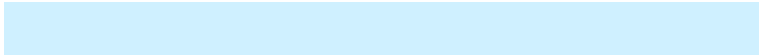


73.3930, 82.8056, 79.6480



# Rectangle

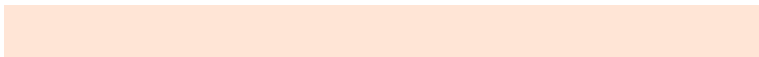
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.9422, 82.8056, 106.6409



80.4226, 82.8056, 109.8352



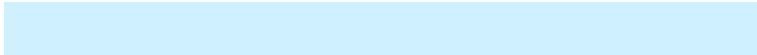
82.5901, 82.8056, 75.4733



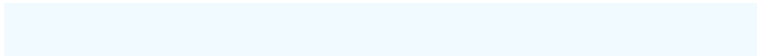
77.0105, 82.8056, 72.9892

# Sweetspot

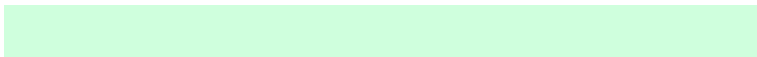
The Sweet Spot groups the original color and five complimentary colors.



74.9444, 82.8089, 106.6415



88.1375, 94.2009, 108.1450



74.5976, 90.0277, 82.1330



18.7102, 20.0317, 23.1303



0.0000, 0.0000, 0.0000

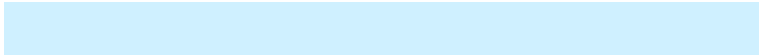


20.3446, 21.4041, 23.3091

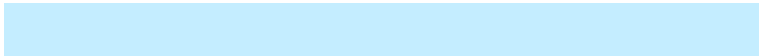


# Same Dimension

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



74.9444, 82.8089, 106.6415



71.0969, 79.3843, 106.1832



68.4932, 69.9066, 104.4911



18.0481, 19.4678, 23.0564



17.6153, 20.1402, 52.3936



1.8128, 2.1563, 5.1339



# Inverse Universe

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



79.2824, 72.1785, 92.1952



76.2979, 66.9935, 88.7833



85.2765, 91.3125, 72.1637



18.5369, 18.1981, 21.4445



25.6796, 12.7611, 22.7609

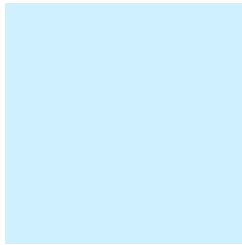


2.5496, 1.2622, 2.4758



# Previews

## White Background



This preview shows how the XYZ color 74.9422, 82.8056, 106.6409 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 74.9422, 82.8056, 106.6409 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

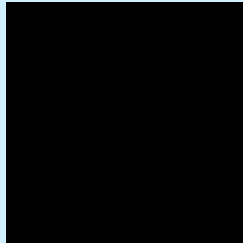
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 74.9422, 82.8056, 106.6409**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.9422, 82.8056, 106.6409.



This preview shows how white text looks on a background with the XYZ color 74.9422, 82.8056,



# 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

74.9422, 82.8056, 106.6409

### Protanopia

80.4832, 82.7353, 102.9944

### Deuteranopia

83.7255, 82.6711, 106.1521



## **Tritanopia**

76.0679, 82.9501, 106.6095

# Trichromacy



## Original Color

74.9422, 82.8056, 106.6409

## Protanomaly

78.3066, 82.8665, 103.9631

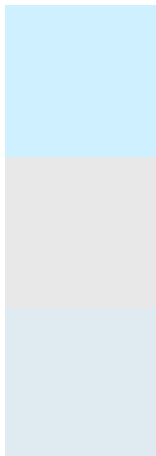
## Deuteranomaly

80.1439, 82.4868, 106.3052

## Tritanomaly

75.4948, 82.6546, 106.5827

# Monochromacy



## Original Color

74.9422, 82.8056, 106.6409

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

75.8679, 81.3959, 94.1504

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.9422, 82.8056, 106.6409 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(207, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(207, 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(207, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 240, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 74.9422, 82.8056, 106.6409 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(207, 240, 255) }
```



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

```
.border{ border-color:rgb(207, 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(207, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(207, 240,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.9422, 82.8056, 106.6409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 240, 255) }
```

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

```
.background{ background-color: rgb(207,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor