

# Converting Colors

XYZ(74.5286, 83.2077,  
106.7403)

Have a look what the booklet for  
XYZ(74.5286, 83.2077, 106.7403)  
contains.

<b>XYZ(74.4071, 82.9680, 106.7005)</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(74.4071, 82.9680,  
106.7005)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCF1FF
RGB	204, 241, 255
RGB Percent	80%, 95%, 100%
CMY	0.2000, 0.0549, 0.0000
CMYK	0.20, 0.05, 0.00, 0.00
HSL	196°, 100%, 90%
HSV	196°, 20%, 100%
XYZ	74.4071, 82.9680, 106.7005
YIQ	231.5330, -26.5460, -3.4900

# Conversions

## Conversions Part 2

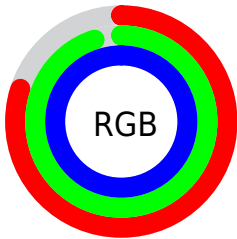
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 225, 255
Decimal	13431295
CIE Lab	93.00, -9.01, -10.72
CIE LCh	93, 14.007, 229.954
Yxy	82.9680, 0.2818, 0.3142
Android (android.graphics.Color)	4291621375 (0xFFCCCF1FF)
YUV	231.5330, 11.5692, -24.1464
Hunter-Lab	91.0868, -13.5885, -5.6925

# Details

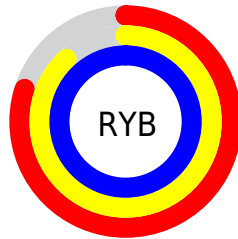
The XYZ color **74.4071, 82.9680, 106.7005** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.2101, 75.7612, 67.6823**, and the grayscale version is **76.2852, 80.2580, 87.4010**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.9364, 45.1647, 60.0389** is the 20% darker color. If you saturate the color by 10%, you get **65.9505, 75.5943, 105.7229**, and if you desaturate by 10%, it is **84.0919, 91.0973, 107.7592**.

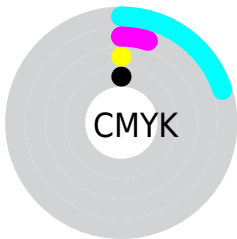
# Distribution



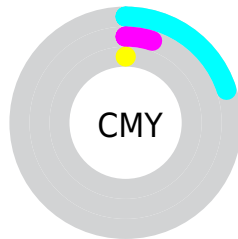
- Red (80%)
- Green (95%)
- Blue (100%)



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



- Cyan (20%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (5%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.4071, 82.9680, 106.7005 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 74.4071, 82.9680, 106.7005 by changing the saturation by 10% instead.



74.4071, 82.9680,  
106.7005

74.4071, 82.9680,  
106.7005

464.9059,  
504.8799, 602.8973

55.4198, 62.1638,  
81.2601

124.4651,  
137.5306, 172.4670

39.9731, 45.1650,  
60.2236

156.2665,  
172.0578, 213.6303

27.7017, 31.5874,  
43.1724

193.0700,  
211.9281, 260.8716

18.2402, 21.0466,  
29.6880

235.2409,  
257.5259, 314.6094

11.2233, 13.1580,  
19.3519

283.1446,  
309.2356, 375.2623

6.2856, 7.5375,  
11.7454

337.1464,

3.0618, 3.8004,

367.4415, 443.2490

6.4501

397.6117,  
432.5282, 518.9877

■ 1.1865, 1.5626,  
3.0475

■ 0.0957, 0.3322,  
1.1189

■ 74.4071, 82.9680,  
106.7005

■ 74.4071, 82.9680,  
106.7005

■ 65.9505, 75.5943,  
105.7229

■ 84.0919, 91.0973,  
107.7592

■ 58.6590, 68.9359,  
104.8220

95.0500, 100.0000,  
108.9000

■ 52.4737, 62.9632,  
103.9952

■ 47.3275, 57.6403,  
103.2390

■ 43.1457, 52.9274,  
102.5497

■ 39.8430, 48.7791,  
101.9231

■ 37.3175, 45.1413,  
101.3540

■ 35.4037, 41.9273,  
100.8346

■ 35.4035, 41.9270,  
100.8345

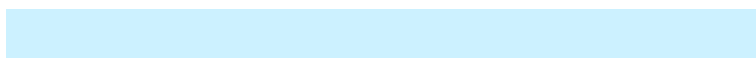
# Harmonies

## Analogous

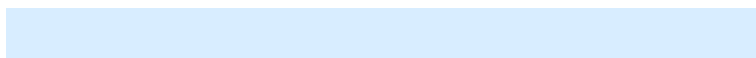
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.4130, 82.9680, 97.4083



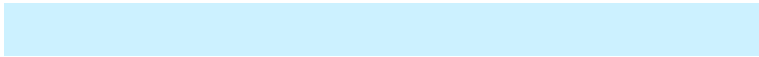
74.4071, 82.9680, 106.7005



77.6347, 82.9680, 111.7234

# Triad

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



74.4071, 82.9680, 106.7005



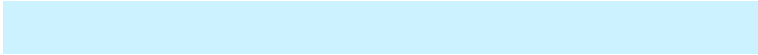
86.0094, 82.9680, 93.9076



76.4760, 82.9680, 72.6502

# Complementary

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



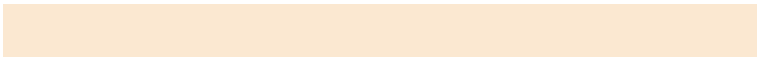
74.4071, 82.9680, 106.7005



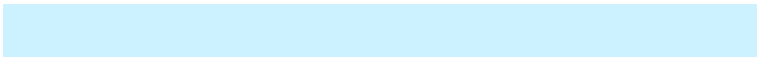
77.2101, 75.7612, 67.6823

# Split Complementary

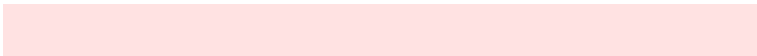
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.0953, 82.9680, 71.8722



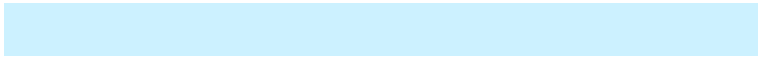
74.4071, 82.9680, 106.7005



85.6758, 82.9680, 83.6185

# Square

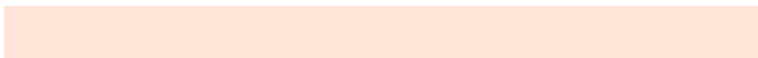
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



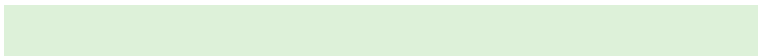
74.4071, 82.9680, 106.7005



84.3821, 82.9680, 103.9677



83.4842, 82.9680, 75.7402

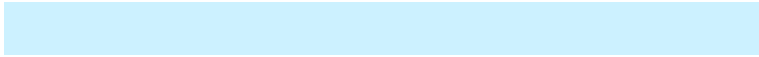


73.5815, 82.9680, 77.9549



# Rectangle

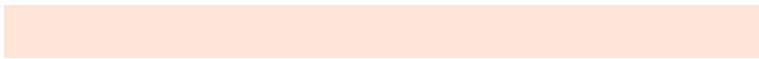
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.4071, 82.9680, 106.7005



80.0841, 82.9680, 111.7299



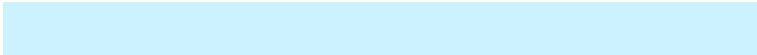
83.4842, 82.9680, 75.7402



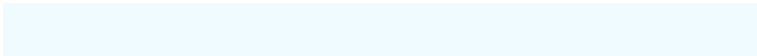
77.6457, 82.9680, 71.8673

# Sweetspot

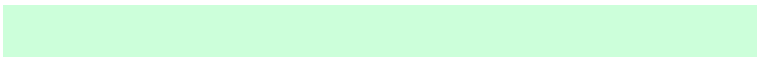
The Sweet Spot groups the original color and five complimentary colors.



74.4093, 82.9713, 106.7010



88.3186, 94.5631, 108.2054



73.2653, 89.3988, 79.4510



18.7530, 20.1174, 23.1446



0.0000, 0.0000, 0.0000

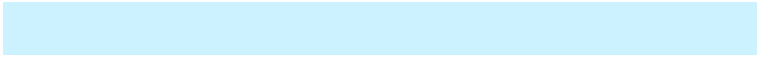


20.3446, 21.4041, 23.3091

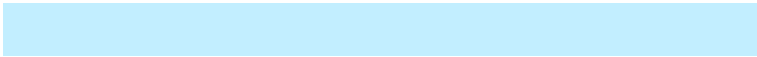


# Same Dimension

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



74.4093, 82.9713, 106.7010



70.8812, 79.9315, 106.3002



67.4833, 69.1192, 104.3923



18.1086, 19.5889, 23.0766



18.6303, 22.1702, 52.7319



1.9053, 2.3413, 5.1648



# Inverse Universe

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



78.7114, 70.7981, 92.7399



75.9501, 65.9397, 89.7717



84.2201, 89.7812, 70.0189



18.5675, 18.2103, 21.6055



26.1919, 12.9661, 25.4589

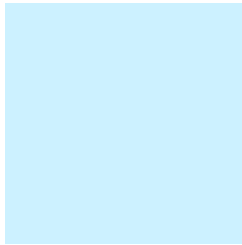


2.5963, 1.2809, 2.7216



# Previews

## White Background



This preview shows how the XYZ color 74.4071, 82.9680, 106.7005 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 74.4071, 82.9680, 106.7005 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 74.4071, 82.9680, 106.7005

## Background



This preview shows how black text looks on a background with the XYZ color 74.4071, 82.9680, 106.7005.



This preview shows how white text looks on a background with the XYZ color 74.4071, 82.9680,



# 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

74.4071, 82.9680, 106.7005

### Protanopia

80.3259, 82.6724, 102.1662

### Deuteranopia

83.7255, 82.6711, 106.1521



## Tritanopia

75.7805, 82.8019, 106.5960

# Trichromacy



## Original Color

74.4071, 82.9680, 106.7005

## Protanomaly

77.9976, 82.7072, 103.9486

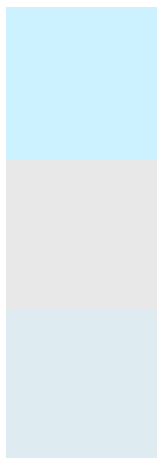
## Deuteranomaly

79.8220, 82.3208, 106.2902

## Tritanomaly

75.2225, 82.9501, 106.6541

# Monochromacy



## Original Color

74.4071, 82.9680, 106.7005

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

75.5607, 81.2375, 94.1360

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.4071, 82.9680, 106.7005 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(204, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 241, 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(204, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 241, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 74.4071, 82.9680, 106.7005 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(204, 241, 255) }
```



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

```
.border{ border-color:rgb(204, 241, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 241, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 241, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 241, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 241,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.4071, 82.9680, 106.7005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 241, 255) }
```

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

```
.background{ background-color: rgb(204,  
241, 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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