

# Converting Colors

XYZ(72.1774, 78.5086,  
105.9573)

Have a look what the booklet for  
XYZ(72.1774, 78.5086, 105.9573)  
contains.

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# Color

**XYZ(72.0908, 78.3352,  
105.9284)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCE9FF
RGB	204, 233, 255
RGB Percent	80%, 91%, 100%
CMY	0.2000, 0.0863, 0.0000
CMYK	0.20, 0.09, 0.00, 0.00
HSL	206°, 100%, 90%
HSV	206°, 20%, 100%
XYZ	72.0908, 78.3352, 105.9284
YIQ	226.8370, -24.3460, 0.6940

# Conversions

## Conversions Part 2

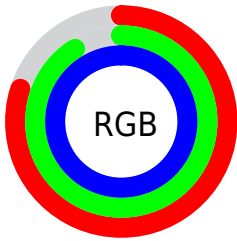
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">204, 222, 255</a>
Decimal	<a href="#">13429247</a>
CIELab	<a href="#">90.93, -4.93, -13.81</a>
CIELCh	<a href="#">91, 14.662, 250.345</a>
Yxy	<a href="#">78.3352, 0.2812, 0.3056</a>
Android (android.graphics.Color)	<a href="#">4291619327</a> ( <a href="#">0xFFCCE9FF</a> )
YUV	<a href="#">226.8370, 13.8844, -20.0280</a>
Hunter-Lab	<a href="#">88.5072, -9.4959, -9.0053</a>

# Details

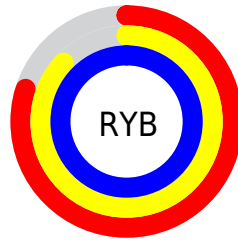
The XYZ color **72.0908, 78.3352, 105.9284** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.3353, 80.0115, 68.3909**, and the grayscale version is **72.8120, 76.6039, 83.4217**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.3096, 41.9111, 59.4966** is the 20% darker color. If you saturate the color by 10%, you get **62.6487, 68.9906, 104.6223**, and if you desaturate by 10%, it is **82.8754, 88.6640, 107.3536**.

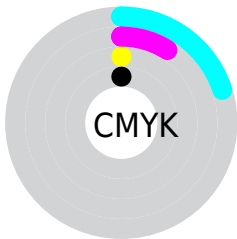
# Distribution



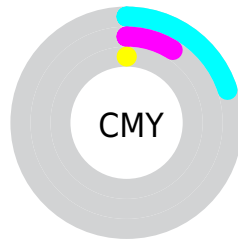
- Red (80%)
- Green (91%)
- Blue (100%)



- Red (80%)
- Yellow (87%)
- Blue (100%)



- Cyan (20%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (9%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.0908, 78.3352, 105.9284 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 72.0908, 78.3352, 105.9284 by changing the saturation by 10% instead.



72.0908, 78.3352,  
105.9284

72.0908, 78.3352,  
105.9284

457.0103,  
489.3045, 600.4453

53.5186, 58.3494,  
80.6164

121.1957,  
131.0225, 171.4033

38.4460, 42.0896,  
59.6965

152.4591,  
164.4928, 212.4032

26.5078, 29.1715,  
42.7504

188.6836,  
203.2268, 259.4694

17.3386, 19.2106,  
29.3594

230.2346,  
247.6087, 313.0206

10.5730, 11.8225,  
19.1049

277.4774,  
298.0230, 373.4753

5.8457, 6.6229,  
11.5685

330.7774,

2.7912, 3.2274,

354.8542, 441.2519

6.3317

390.4999,  
418.4865, 516.7691

■ 1.0443, 1.2516,  
2.9758

■ 0.0000, 0.1032,  
1.0823

■ 72.0908, 78.3352,  
105.9284

■ 72.0908, 78.3352,  
105.9284

■ 62.6487, 68.9906,  
104.6223

■ 82.8754, 88.6640,  
107.3536

■ 54.4837, 60.5852,  
103.4303

95.0500, 100.0000,  
108.9000

■ 47.5341, 53.0839,  
102.3487

■ 41.7299, 46.4452,  
101.3732

■ 36.9937, 40.6233,  
100.4991

■ 33.2369, 35.5669,  
99.7211

■ 30.3547, 31.2158,  
99.0331

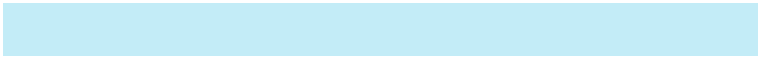
■ 28.1783, 27.4765,  
98.4261

■ 28.1781, 27.4761,  
98.4260

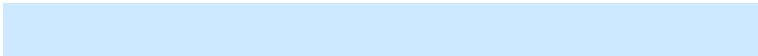
# Harmonies

## Analogous

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



69.1701, 78.3352, 99.1575



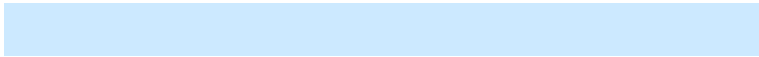
72.0908, 78.3352, 105.9284



75.7385, 78.3352, 106.9192

# Triad

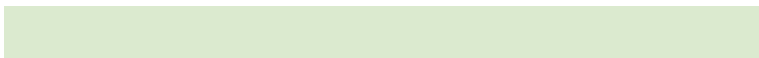
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.0908, 78.3352, 105.9284



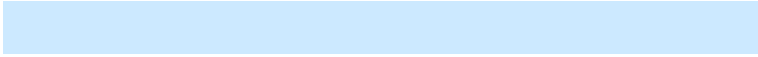
81.6662, 78.3352, 81.6914



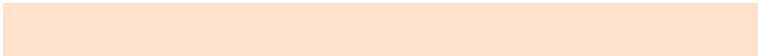
69.9494, 78.3352, 70.7054

# Complementary

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



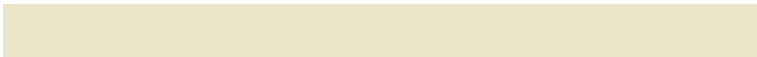
72.0908, 78.3352, 105.9284



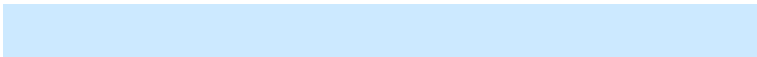
79.3353, 80.0115, 68.3909

# Split Complementary

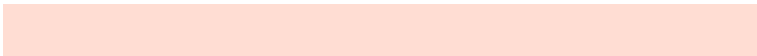
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.1866, 78.3352, 66.8005



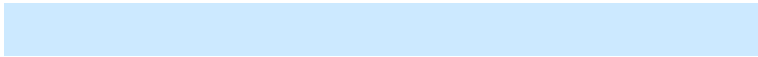
72.0908, 78.3352, 105.9284



80.0031, 78.3352, 72.7864

# Square

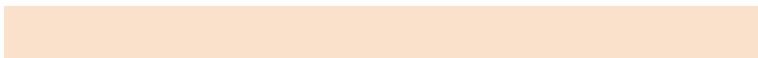
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.0908, 78.3352, 105.9284



81.3491, 78.3352, 92.3230



76.8709, 78.3352, 67.5295

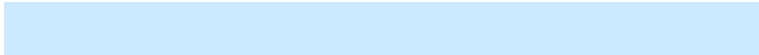


67.9623, 78.3352, 78.6306



# Rectangle

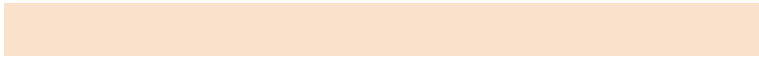
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.0908, 78.3352, 105.9284



78.1029, 78.3352, 104.0880



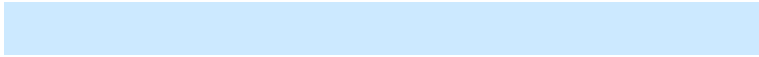
76.8709, 78.3352, 67.5295



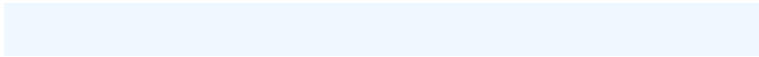
70.9230, 78.3352, 68.9100

# Sweetspot

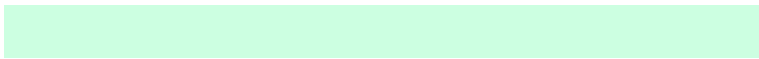
The Sweet Spot groups the original color and five complimentary colors.



72.0929, 78.3383, 105.9288



87.5743, 93.0745, 107.9573



74.2876, 89.8078, 84.8336



18.5769, 19.7652, 23.0859



0.0000, 0.0000, 0.0000

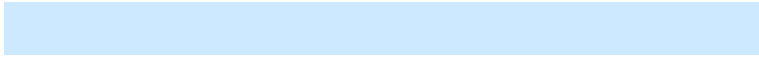


20.3446, 21.4041, 23.3091

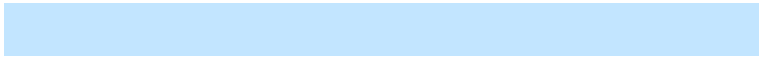


# Same Dimension

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



72.0929, 78.3383, 105.9288



68.1567, 74.4827, 105.3921



65.5702, 65.2928, 103.7546



17.8605, 19.0926, 22.9938



14.8749, 14.6594, 51.4801



1.5569, 1.6445, 5.0486



# Inverse Universe

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



77.5422, 70.3306, 86.5826



74.5749, 65.3897, 82.5303



86.5586, 94.4582, 70.7987



18.4422, 18.1602, 20.9459



24.2964, 12.2078, 15.4770

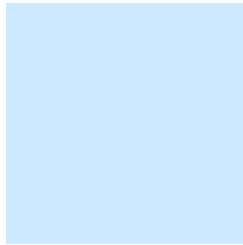


2.4205, 1.2106, 1.7956



# Previews

## White Background



This preview shows how the XYZ color 72.0908, 78.3352, 105.9284 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

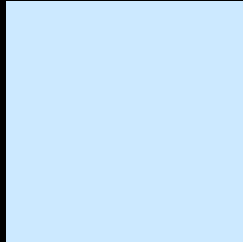
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.0908, 78.3352, 105.9284 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

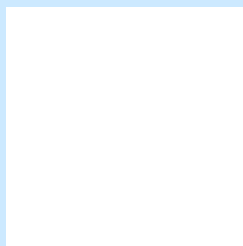
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 72.0908, 78.3352, 105.9284

## Background



This preview shows how black text looks on a background with the XYZ color 72.0908, 78.3352, 105.9284.



This preview shows how white text looks on a background with the XYZ color 72.0908, 78.3352,



# 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

72.0908, 78.3352, 105.9284

### Protanopia

76.2457, 78.0720, 102.3176

### Deuteranopia

79.3627, 77.9999, 105.4804



## **Tritanopia**

71.3382, 78.0026, 103.3915

# Trichromacy



## Original Color

72.0908, 78.3352, 105.9284

## Protanomaly

74.5034, 77.9723, 103.2189

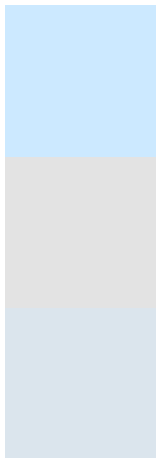
## Deuteranomaly

76.5704, 78.1657, 105.6595

## Tritanomaly

71.4971, 78.0662, 104.2285

# Monochromacy



## Original Color

72.0908, 78.3352, 105.9284

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

72.5188, 77.2131, 91.2022

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.0908, 78.3352, 105.9284 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, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 233, 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, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 233, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 72.0908, 78.3352, 105.9284 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, 233, 255) }
```



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

```
.border{ border-color:rgb(204, 233, 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, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 233,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.0908, 78.3352, 105.9284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 233, 255) }
```

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

```
.background{ background-color: rgb(204,  
233, 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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