

# Converting Colors

XYZ(75.7179, 80.5126,  
122.3842)

Have a look what the booklet for  
XYZ(75.7179, 80.5126, 122.3842)  
contains.

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# **Color**

**XYZ(72.6602, 79.4740,  
106.1182)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCEBFF
RGB	204, 235, 255
RGB Percent	80%, 92%, 100%
CMY	0.2000, 0.0784, 0.0000
CMYK	0.20, 0.08, 0.00, 0.00
HSL	204°, 100%, 90%
HSV	204°, 20%, 100%
XYZ	72.6602, 79.4740, 106.1182
YIQ	228.0110, -24.8960, -0.3520

# Conversions

## Conversions Part 2

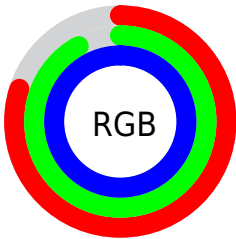
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 223, 255
Decimal	13429759
CIE <sub>Lab</sub>	91.45, -5.96, -13.04
CIE <sub>LCh</sub>	91, 14.333, 245.442
Yxy	79.4740, 0.2814, 0.3077
Android (android.graphics.Color)	4291619839 (0xFFCCEBFF)
YUV	228.0110, 13.3056, -21.0576
Hunter-Lab	89.1482, -10.5230, -8.1726

# Details

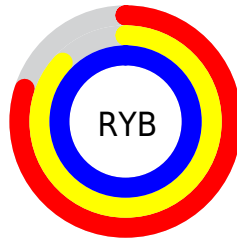
The XYZ color **72.6602, 79.4740, 106.1182** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.7946, 78.9301, 68.2107**, and the grayscale version is **73.6715, 77.5081, 84.4063**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.7076, 42.7070, 59.6292** is the 20% darker color. If you saturate the color by 10%, you get **63.4527, 70.5985, 104.8903**, and if you desaturate by 10%, it is **83.1771, 89.2675, 107.4542**.

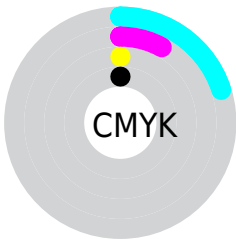
# Distribution



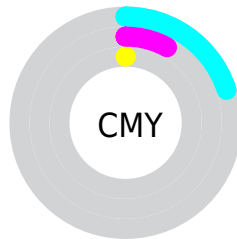
- Red (80%)
- Green (92%)
- Blue (100%)



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



- Cyan (20%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (8%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.6602, 79.4740, 106.1182 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 72.6602, 79.4740, 106.1182 by changing the saturation by 10% instead.



72.6602, 79.4740,  
106.1182

72.6602, 79.4740,  
106.1182

458.9583,  
493.1584, 601.0485

53.9855, 59.2856,  
80.7746

122.0004,  
132.6259, 171.6648

38.8207, 42.8431,  
59.8261

153.3967,  
166.3583, 212.7049

26.8004, 29.7620,  
42.8541

189.7643,  
205.3741, 259.8143

17.5592, 19.6580,  
29.4401

231.4684,  
250.0577, 313.4114

10.7317, 12.1467,  
19.1655

278.8746,  
300.7935, 373.9148

5.9527, 6.8437,  
11.6119

332.3480,

2.8567, 3.3645,

357.9660, 441.7432

6.3607

392.2541,  
421.9595, 517.3149

■ 1.0785, 1.3249,  
2.9933

■ 0.0070, 0.1603,  
1.0912

■ 72.6602, 79.4740,  
106.1182

■ 72.6602, 79.4740,  
106.1182

■ 63.4527, 70.5985,  
104.8903

■ 83.1771, 89.2675,  
107.4542

■ 55.4900, 62.5977,  
103.7657

95.0500, 100.0000,  
108.9000

■ 48.7112, 55.4382,  
102.7410

■ 43.0476, 49.0805,  
101.8124

■ 38.4224, 43.4808,  
100.9753

■ 34.7484, 38.5898,  
100.2249

■ 31.9217, 34.3496,  
99.5554

■ 29.7745, 30.6690,  
98.9582

■ 29.7743, 30.6686,  
98.9581

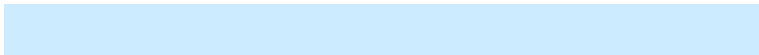
# Harmonies

## Analogous

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



69.9668, 79.4740, 98.7114



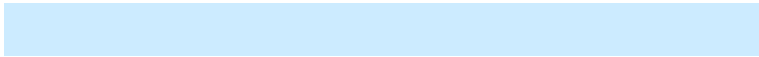
72.6602, 79.4740, 106.1182



76.2048, 79.4740, 108.1083

# Triad

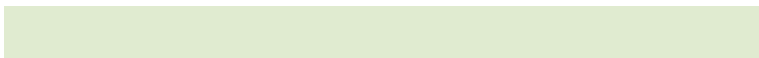
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.6602, 79.4740, 106.1182



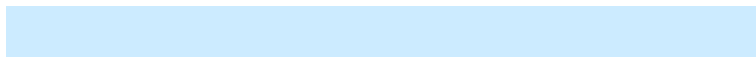
82.7367, 79.4740, 84.6426



71.5433, 79.4740, 71.1798

# Complementary

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



72.6602, 79.4740, 106.1182



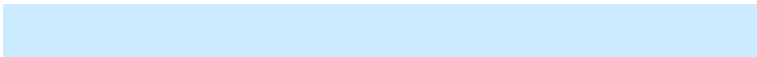
78.7946, 78.9301, 68.2107

# 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.



74.8744, 79.4740, 68.0391



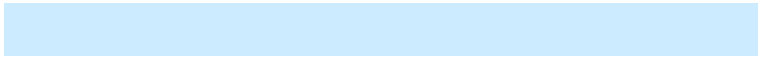
72.6602, 79.4740, 106.1182



81.3967, 79.4740, 75.4011

# Square

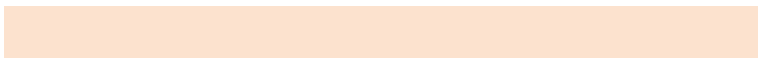
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



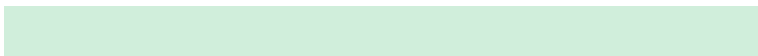
72.6602, 79.4740, 106.1182



82.0978, 79.4740, 95.1527



78.4901, 79.4740, 69.5204

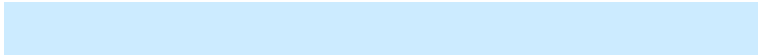


69.3366, 79.4740, 78.4515



# Rectangle

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



72.6602, 79.4740, 106.1182



78.5908, 79.4740, 105.9681



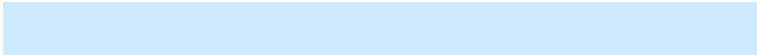
78.4901, 79.4740, 69.5204



72.5646, 79.4740, 69.6337

# Sweetspot

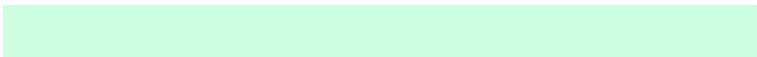
The Sweet Spot groups the original color and five complimentary colors.



72.6623, 79.4771, 106.1187



87.7594, 93.4448, 108.0190



74.0565, 89.7153, 83.6163



18.6207, 19.8528, 23.1005



0.0000, 0.0000, 0.0000

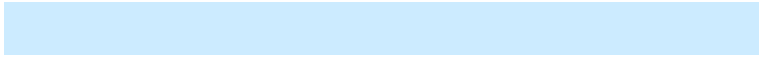


20.3446, 21.4041, 23.3091

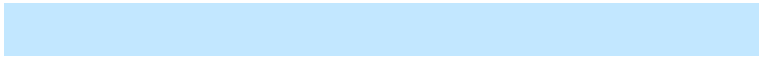


# Same Dimension

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



72.6623, 79.4771, 106.1187



68.8239, 75.8171, 105.6145



65.9875, 66.1276, 103.8937



17.9220, 19.2157, 23.0144



15.7073, 16.3242, 51.7576



1.6358, 1.8023, 5.0749



# Inverse Universe

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



77.8296, 70.4456, 88.0961



74.9117, 65.5244, 84.3037



86.0307, 93.4023, 70.6227



18.4733, 18.1726, 21.1095



24.7165, 12.3759, 17.6895

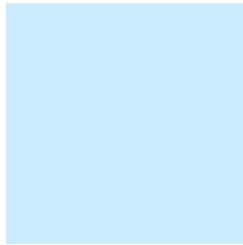


2.4603, 1.2265, 2.0053



# Previews

## White Background



This preview shows how the XYZ color 72.6602, 79.4740, 106.1182 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

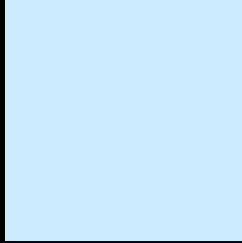
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.6602, 79.4740, 106.1182 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

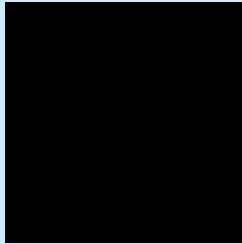
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

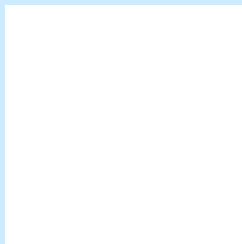
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 72.6602, 79.4740, 106.1182

## Background



This preview shows how black text looks on a background with the XYZ color 72.6602, 79.4740, 106.1182.



This preview shows how white text looks on a background with the XYZ color 72.6602, 79.4740,



# 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

72.6602, 79.4740, 106.1182

### Protanopia

77.4268, 79.4976, 102.5305

### Deuteranopia

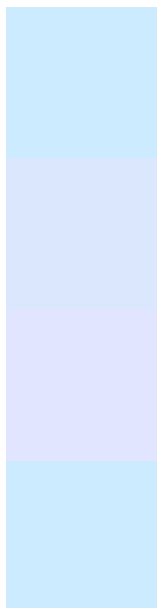
80.5718, 79.4211, 105.6910



## Tritanopia

72.4996, 79.4098, 105.2724

# Trichromacy



## Original Color

72.6602, 79.4740, 106.1182

## Protanomaly

75.3600, 79.2402, 103.4184

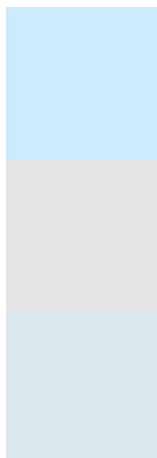
## Deuteranomaly

77.4333, 79.4274, 105.8576

## Tritanomaly

72.4996, 79.4098, 105.2724

# Monochromacy



## Original Color

72.6602, 79.4740, 106.1182

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

73.2219, 78.3849, 92.1595

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.6602, 79.4740, 106.1182 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, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 235, 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, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 235, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 72.6602, 79.4740, 106.1182 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, 235, 255) }
```



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

```
.border{ border-color:rgb(204, 235, 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, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 235,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.6602, 79.4740, 106.1182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 235, 255) }
```

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

```
.background{ background-color: rgb(204,  
235, 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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