

# Converting Colors

XYZ(72.2147, 79.6122,  
106.1683)

Have a look what the booklet for  
XYZ(72.2147, 79.6122, 106.1683)  
contains.

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# Color

**XYZ(72.1328, 79.6284,  
106.1758)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9ECFF
RGB	201, 236, 255
RGB Percent	79%, 93%, 100%
CMY	0.2118, 0.0745, 0.0000
CMYK	0.21, 0.07, 0.00, 0.00
HSL	201°, 100%, 89%
HSV	201°, 21%, 100%
XYZ	72.1328, 79.6284, 106.1758
YIQ	227.7010, -26.9590, -1.5110

# Conversions

## Conversions Part 2

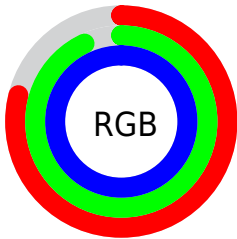
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	201, 222, 255
Decimal	13233407
CIE <sub>Lab</sub>	91.52, -7.37, -12.95
CIE <sub>LCh</sub>	92, 14.901, 240.375
Yxy	79.6284, 0.2797, 0.3087
Android (android.graphics.Color)	4291423487 (0xFFC9ECFF)
YUV	227.7010, 13.4584, -23.4168
Hunter-Lab	89.2347, -11.8705, -8.0818

# Details

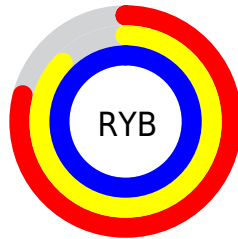
The XYZ color **72.1328, 79.6284, 106.1758** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.3755, 76.6624, 65.9791**, and the grayscale version is **73.4451, 77.2699, 84.1470**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.3684, 42.8307, 59.6710** is the 20% darker color. If you saturate the color by 10%, you get **63.3207, 71.3492, 105.0422**, and if you desaturate by 10%, it is **82.2168, 88.7599, 107.4068**.

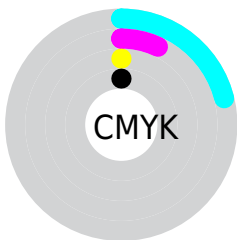
# Distribution



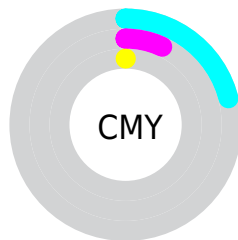
- Red (79%)
- Green (93%)
- Blue (100%)



- Red (79%)
- Yellow (87%)
- Blue (100%)



- Cyan (21%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (21%)
- Magenta (7%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.1328, 79.6284, 106.1758 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 72.1328, 79.6284, 106.1758 by changing the saturation by 10% instead.



72.1328, 79.6284,  
106.1758

72.1328, 79.6284,  
106.1758

457.1542,  
493.6796, 601.2315

53.5530, 59.4126,  
80.8226

121.2551,  
132.8432, 171.7442

38.4737, 42.9454,  
59.8654

152.5283,  
166.6109, 212.7965

26.5294, 29.8422,  
42.8855

188.7634,  
205.6648, 259.9189

17.3549, 19.7189,  
29.4646

230.3257,  
250.3892, 313.5300

10.5847, 12.1909,  
19.1840

277.5806,  
301.1684, 374.0482

5.8535, 6.8738,  
11.6251

330.8934,

2.7960, 3.3833,

358.3870, 441.8922

6.3695

390.6294,  
422.4293, 517.4805

■ 1.0468, 1.3350,  
2.9987

■ 0.0000, 0.1680,  
1.0939

■ 72.1328, 79.6284,  
106.1758

■ 72.1328, 79.6284,  
106.1758

■ 63.3207, 71.3492,  
105.0422

■ 82.2168, 88.7599,  
107.4068

■ 55.7162, 63.8803,  
104.0013

■ 93.6204, 98.7650,  
108.7370

■ 49.2585, 57.1895,  
103.0502

■ 95.0500, 100.0000,  
108.9000

■ 43.8787, 51.2385,  
102.1851

■ 39.5001, 45.9845,  
101.4018

■ 36.0344, 41.3792,  
100.6955

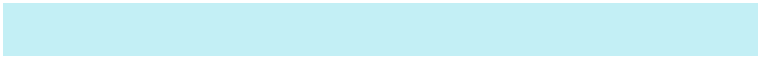
■ 33.3764, 37.3649,  
100.0608

■ 31.5586, 34.2373,  
99.5529

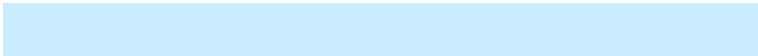
# Harmonies

## Analogous

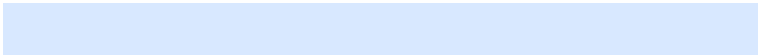
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.5593, 79.6284, 97.7095



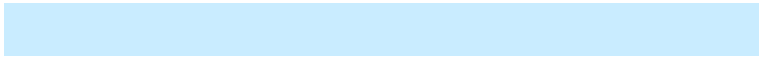
72.1328, 79.6284, 106.1758



75.7322, 79.6284, 109.3344

# Triad

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



72.1328, 79.6284, 106.1758



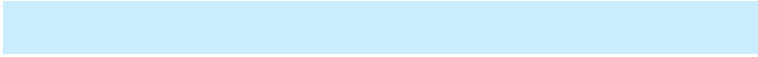
83.2218, 79.6284, 86.5649



72.0526, 79.6284, 69.8862

# Complementary

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



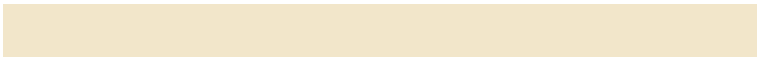
72.1328, 79.6284, 106.1758



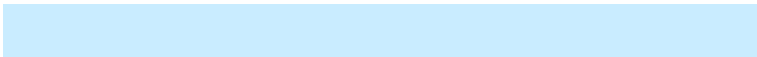
77.3755, 76.6624, 65.9791

# Split Complementary

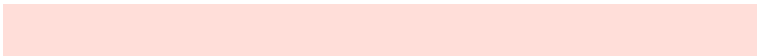
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.6366, 79.6284, 67.4302



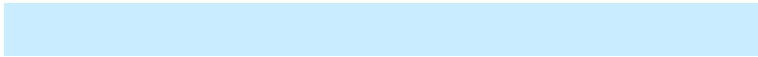
72.1328, 79.6284, 106.1758



82.1589, 79.6284, 76.5535

# Square

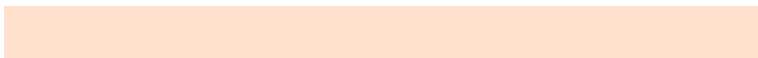
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



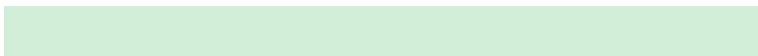
72.1328, 79.6284, 106.1758



82.2094, 79.6284, 97.4528



79.3507, 79.6284, 69.7676

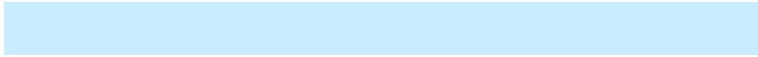


69.5141, 79.6284, 76.7721



# Rectangle

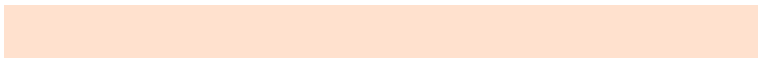
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.1328, 79.6284, 106.1758



78.2547, 79.6284, 107.8151



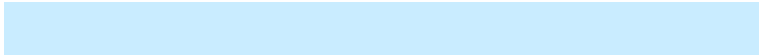
79.3507, 79.6284, 69.7676



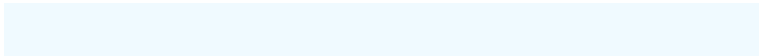
73.1710, 79.6284, 68.5422

# Sweetspot

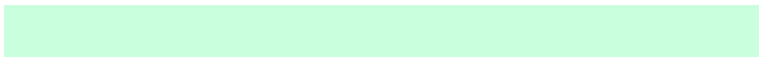
The Sweet Spot groups the original color and five complimentary colors.



72.1349, 79.6315, 106.1763



87.9504, 93.8267, 108.0826



72.7533, 89.1000, 81.0054



18.6659, 19.9431, 23.1156



0.0000, 0.0000, 0.0000

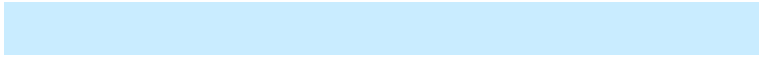


20.3446, 21.4041, 23.3091

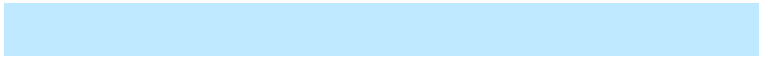


# Same Dimension

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



72.1349, 79.6315, 106.1763



68.6173, 76.3658, 105.7313



64.9636, 65.2890, 103.7858



17.9856, 19.3429, 23.0356



16.6357, 18.1809, 52.0671



1.7225, 1.9757, 5.1038



# Inverse Universe

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



77.2683, 69.0909, 88.6239



74.5726, 64.4896, 85.2895



85.0132, 91.9378, 68.5250



18.5054, 18.1855, 21.2786



25.1851, 12.5633, 20.1571

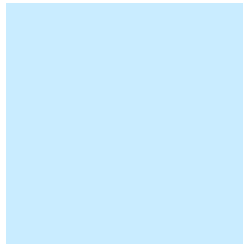


2.5040, 1.2440, 2.2357



# Previews

## White Background



This preview shows how the XYZ color 72.1328, 79.6284, 106.1758 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

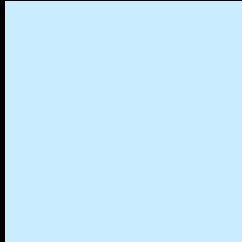
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.1328, 79.6284, 106.1758 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

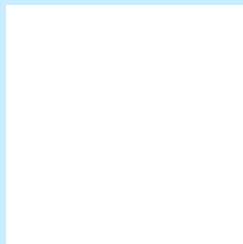
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 72.1328, 79.6284, 106.1758

## Background



This preview shows how black text looks on a background with the XYZ color 72.1328, 79.6284, 106.1758.



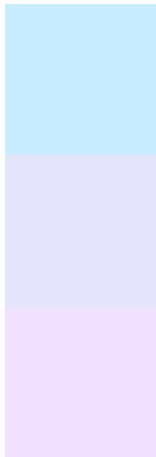
This preview shows how white text looks on a background with the XYZ color 72.1328, 79.6284,



# 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

72.1328, 79.6284, 106.1758

### Protanopia

77.2695, 79.4347, 101.7024

### Deuteranopia

80.5718, 79.4211, 105.6910



## Tritanopia

72.1328, 79.6284, 106.1758

# Trichromacy



## Original Color

72.1328, 79.6284, 106.1758

## Protanomaly

75.3407, 79.6469, 103.4980

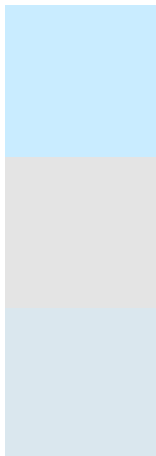
## Deuteranomaly

77.1206, 79.2662, 105.8429

## Tritanomaly

72.1328, 79.6284, 106.1758

# Monochromacy



## Original Color

72.1328, 79.6284, 106.1758

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

72.9220, 78.2303, 92.1455

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.1328, 79.6284, 106.1758 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(201, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(201, 236, 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(201, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 236, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 72.1328, 79.6284, 106.1758 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(201, 236, 255) }
```



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

```
.border{ border-color:rgb(201, 236, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(201, 236,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.1328, 79.6284, 106.1758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 236, 255) }
```

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

```
.background{ background-color: rgb(201,  
236, 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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