

# Converting Colors

XYZ(66.2764, 72.4935, 91.4084)

Have a look what the booklet for  
XYZ(66.2764, 72.4935, 91.4084)  
contains.

<b>XYZ(66.1772, 72.3028, 91.3568)</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(66.1772, 72.3028,  
91.3568)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C8E1EE
RGB	200, 225, 238
RGB Percent	78%, 88%, 93%
CMY	0.2157, 0.1176, 0.0667
CMYK	0.16, 0.05, 0.00, 0.07
HSL	201°, 53%, 86%
HSV	201°, 16%, 93%
XYZ	66.1772, 72.3028, 91.3568
YIQ	219.0070, -19.0730, -1.2570

# Conversions

## Conversions Part 2

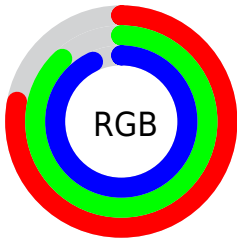
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	200, 215, 238
Decimal	13165038
CIE <sub>Lab</sub>	88.11, -5.61, -9.13
CIE <sub>LCh</sub>	88, 10.714, 238.434
Yxy	72.3028, 0.2879, 0.3146
Android (android.graphics.Color)	4291355118 (0xFFC8E1EE)
YUV	219.0070, 9.3635, -16.6691
Hunter-Lab	85.0311, -9.8830, -4.1790

# Details

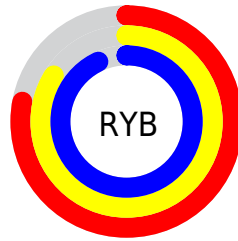
The XYZ color **66.1772, 72.3028, 91.3568** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.4799, 69.9356, 64.4819**, and the grayscale version is **67.2851, 70.7892, 77.0894**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.6723, 38.2378, 49.8092** is the 20% darker color. If you saturate the color by 10%, you get **58.1610, 64.9827, 90.3675**, and if you desaturate by 10%, it is **75.2920, 80.3488, 92.4306**.

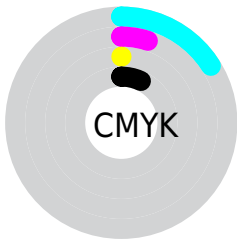
# Distribution



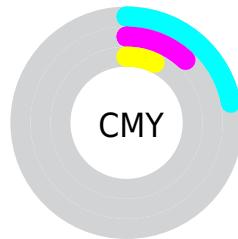
- Red (78%)
- Green (88%)
- Blue (93%)



- Red (78%)
- Yellow (84%)
- Blue (93%)



- Cyan (16%)
- Magenta (5%)
- Yellow (0%)
- Black (7%)



- Cyan (22%)
- Magenta (12%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.1772, 72.3028, 91.3568 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 66.1772, 72.3028, 91.3568 by changing the saturation by 10% instead.



■ 66.1772, 72.3028,  
91.3568

■ 66.1772, 72.3028,  
91.3568

436.4890,  
468.5949, 553.1182

■ 48.6845, 53.4061,  
68.5265

112.7969,  
122.4869, 151.1736

■ 34.5828, 38.1270,  
49.8568

142.6547,  
154.5431, 188.9971

■ 23.5067, 26.0813,  
34.9292

177.3649,  
191.7546, 232.6554

■ 15.0908, 16.8845,  
23.3253

217.2928,  
234.5057, 282.5671

■ 8.9699, 10.1522,  
14.6263

262.8038,  
283.1809, 339.1507

■ 4.7785, 5.5000,  
8.4138

314.2632,

■ 2.1513, 2.5435,

338.1646, 402.8247

4.2693

372.0365,  
399.8411, 474.0077

■ 0.7169, 0.8983,  
1.7742

■ 0.0000, 0.0000,  
0.4109

■ 66.1772, 72.3028,  
91.3568

■ 66.1772, 72.3028,  
91.3568

■ 58.1610, 64.9827,  
90.3675

■ 75.2920, 80.3488,  
92.4306

■ 51.1899, 58.3531,  
89.4553

■ 85.5432, 89.1366,  
93.5865

■ 45.2155, 52.3887,  
88.6190

■ 90.6802, 95.4478,  
94.5339

■ 40.1825, 47.0588,  
87.8555

■ 92.4328, 98.9531,  
95.1182

■ 36.0299, 42.3297,  
87.1615

■ 32.6890, 38.1636,  
86.5335

■ 30.0798, 34.5169,  
85.9671

■ 28.1035, 31.3361,  
85.4573

■ 27.4221, 30.1516,  
85.2646

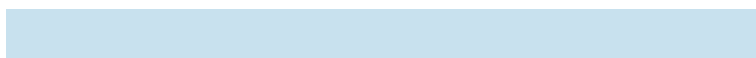
# Harmonies

## Analogous

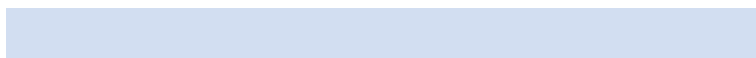
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



64.4837, 72.3028, 85.6297



66.1772, 72.3028, 91.3568



68.5872, 72.3028, 93.6735

# Triad

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



66.1772, 72.3028, 91.3568



73.7600, 72.3028, 79.1113



66.4046, 72.3028, 66.9692

# Complementary

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



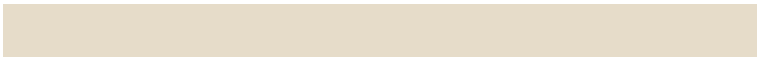
66.1772, 72.3028, 91.3568



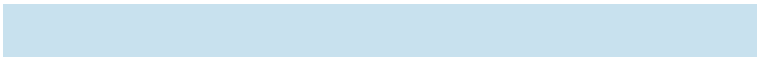
69.4799, 69.9356, 64.4819

# 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.



68.8562, 72.3028, 65.4588



66.1772, 72.3028, 91.3568



73.1413, 72.3028, 72.2027

# Square

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



66.1772, 72.3028, 91.3568



73.0012, 72.3028, 86.3373



71.3305, 72.3028, 67.3156



64.6127, 72.3028, 71.5747



# Rectangle

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



66.1772, 72.3028, 91.3568



70.2898, 72.3028, 92.8695



71.3305, 72.3028, 67.3156



67.1770, 72.3028, 66.0957

# Sweetspot

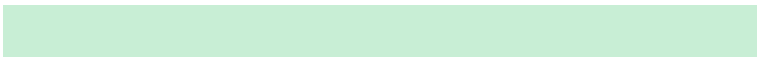
The Sweet Spot groups the original color and five complimentary colors.



66.1793, 72.3058, 91.3584



89.1384, 94.9107, 108.2292



66.3632, 78.2169, 74.3301



18.9073, 20.1655, 23.1458



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

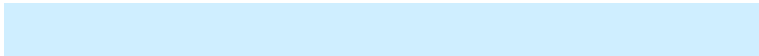


# Same Dimension

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



66.1793, 72.3058, 91.3584



74.3561, 81.8198, 106.4816



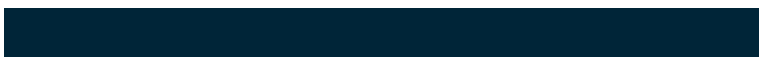
61.4050, 62.7571, 89.7670



15.7657, 16.9655, 20.1653



15.4234, 17.0711, 47.6100



1.3751, 1.6042, 3.9914



# Inverse Universe

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



69.5064, 64.9235, 80.1057



78.9397, 71.8662, 90.9307



74.4493, 79.8742, 66.1383



16.2112, 15.9342, 18.6683



23.1107, 11.5167, 19.0311

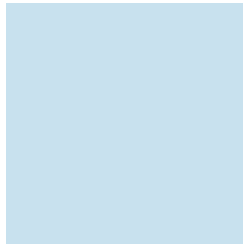


1.9690, 0.9767, 1.8278



# Previews

## White Background



This preview shows how the XYZ color 66.1772, 72.3028, 91.3568 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

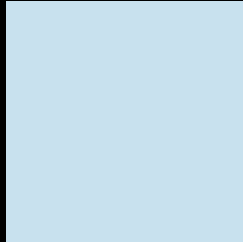
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.1772, 72.3028, 91.3568 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

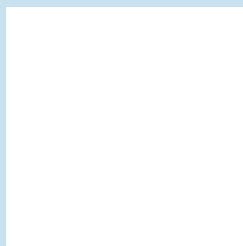
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 66.1772, 72.3028, 91.3568

## Background



This preview shows how black text looks on a background with the XYZ color 66.1772, 72.3028, 91.3568.



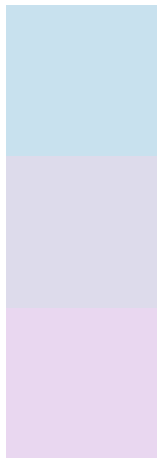
This preview shows how white text looks on a background with the XYZ color 66.1772, 72.3028,



# 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

66.1772, 72.3028, 91.3568

### Protanopia

70.1457, 72.0333, 88.8040

### Deuteranopia

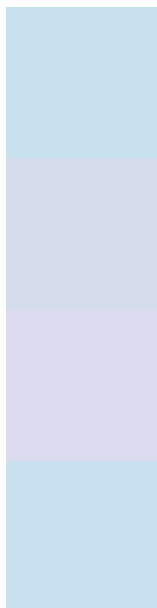
73.6329, 72.2158, 92.4962



## Tritanopia

66.7701, 72.1396, 94.4096

# Trichromacy



## Original Color

66.1772, 72.3028, 91.3568

## Protanomaly

68.4373, 71.9152, 89.6309

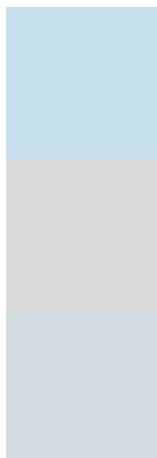
## Deuteranomaly

70.7303, 72.2672, 91.8824

## Tritanomaly

66.6202, 72.0797, 93.6206

# Monochromacy



## Original Color

66.1772, 72.3028, 91.3568

## Achromatopsia

67.3311, 70.8376, 77.1421

## Achromatomaly

66.7353, 71.2009, 82.1773

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.1772, 72.3028, 91.3568 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(200, 225, 238)` looks like.

```
.text, #text, p{  
    color:rgb(200, 225, 238)  
}
```

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(200, 225, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 225, 238) }
```

## Border

The CSS property to change the border of an element to XYZ 66.1772, 72.3028, 91.3568 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(200, 225, 238) }
```



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

```
.border{ border-color:rgb(200, 225, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 225, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 225, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 225, 238);  
box-shadow:4px 4px 4px 4px rgb(200, 225,  
238) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.1772, 72.3028, 91.3568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 225, 238) }
```

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

```
.background{ background-color: rgb(200,  
225, 238) }
```

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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