

Converting Colors

XYZ(66.7085, 69.9773, 79.8037)

Have a look what the booklet for
XYZ(66.7085, 69.9773, 79.8037)
contains.

XYZ(66.7096, 70.0695, 79.8208)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(66.7096, 70.0695,
79.8208)**

Conversions

Conversions Part 1

Format	Color
Hex	D8DADF
RGB	216, 218, 223
RGB Percent	85%, 85%, 87%
CMY	0.1529, 0.1451, 0.1255
CMYK	0.03, 0.02, 0.00, 0.13
HSL	223°, 10%, 86%
HSV	223°, 3%, 87%
XYZ	66.7096, 70.0695, 79.8208
YIQ	217.9720, -2.7970, 1.1310

Conversions

Conversions Part 2

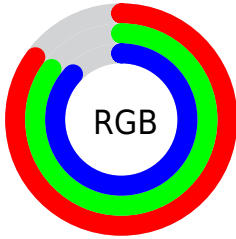
Format	Color
R _Y B	216, 218, 223
Decimal	14211807
CIE Lab	87.03, 0.25, -2.70
CIE LCh	87, 2.707, 275.209
Yxy	70.0695, 0.3080, 0.3235
Android (android.graphics.Color)	4292401887 (0xFFD8DADF)
YUV	217.9720, 2.4788, -1.7294
Hunter-Lab	83.7075, -4.2350, 2.0582

Details

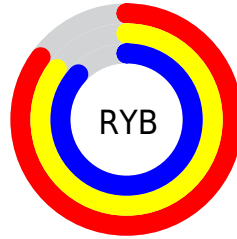
The XYZ color **66.7096, 70.0695, 79.8208** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.6826, 72.3579, 75.3133**, and the grayscale version is **66.6078, 70.0766, 76.3135**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.8630, 36.5986, 42.2725** is the 20% darker color. If you saturate the color by 10%, you get **56.6323, 59.0402, 78.2241**, and if you desaturate by 10%, it is **78.0814, 82.3585, 81.5945**.

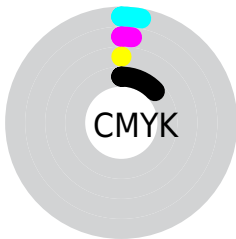
Distribution



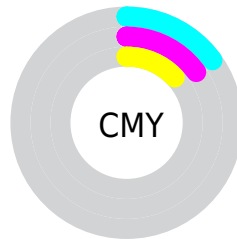
- Red (85%)
- Green (85%)
- Blue (87%)



- Red (85%)
- Yellow (85%)
- Blue (87%)



- Cyan (3%)
- Magenta (2%)
- Yellow (0%)
- Black (13%)



- Cyan (15%)
- Magenta (15%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.7096, 70.0695, 79.8208 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 66.7096, 70.0695, 79.8208 by changing the saturation by 10% instead.

■ 66.7096, 70.0695,
79.8208

■ 66.7096, 70.0695,
79.8208

438.3591,
460.7940, 514.0195

■ 49.1185, 51.5832,
59.0456

113.5563,
119.3079, 134.9229

■ 34.9284, 36.6730,
42.2296

143.5426,
150.8287, 170.0868

■ 23.7740, 24.9544,
28.9542

178.3913,
187.4632, 210.8841

■ 15.2899, 16.0431,
18.8009

218.4679,
229.5957, 257.7333

■ 9.1107, 9.5546,
11.3511

264.1376,
277.6107, 311.0529

■ 4.8712, 5.1047,
6.1864

315.7658,

■ 2.2058, 2.3088,

331.8924, 371.2614

2.8881

373.7178,
392.8254, 438.7775

■ 0.7458, 0.7784,
1.0378

■ 0.0000, 0.0000,
0.0000

■ 66.7096, 70.0695,
79.8208

■ 66.7096, 70.0695,
79.8208

■ 56.6323, 59.0402,
78.2241

■ 78.0814, 82.3585,
81.5945

■ 47.7967, 49.2210,
76.7945

■ 88.6950, 94.8589,
83.4479

■ 40.1549, 40.5720,
75.5279

■ 90.3195, 98.1078,
83.9894

■ 33.6537, 33.0475,
74.4181

■ 28.2358, 26.5990,
73.4590

■ 23.8383, 21.1739,
72.6436

■ 20.3918, 16.7150,
71.9646

■ 17.8172, 13.1583,
71.4138

■ 16.0208, 10.4307,
70.9820

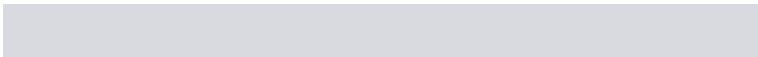
Harmonies

Analogous

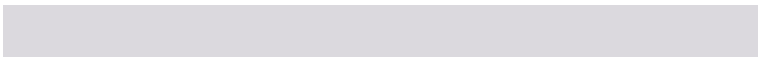
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.0895, 70.0695, 79.5047



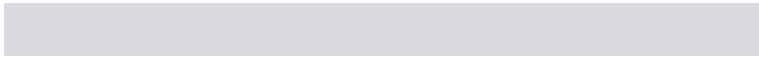
66.7096, 70.0695, 79.8208



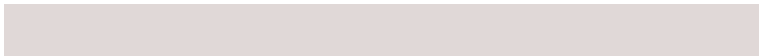
67.3037, 70.0695, 79.1797

Triad

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



66.7096, 70.0695, 79.8208



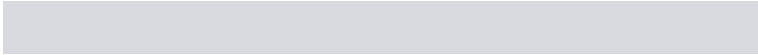
67.5991, 70.0695, 74.3001



65.4993, 70.0695, 74.8404

Complementary

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



66.7096, 70.0695, 79.8208



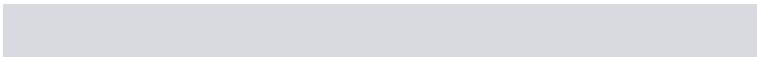
68.6826, 72.3579, 75.3133

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.



65.8991, 70.0695, 73.4789



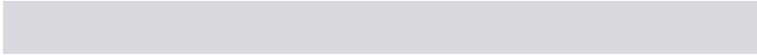
66.7096, 70.0695, 79.8208



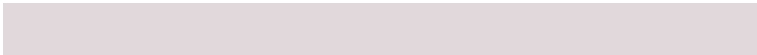
67.1110, 70.0695, 73.1704

Square

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



66.7096, 70.0695, 79.8208



67.8194, 70.0695, 75.9775



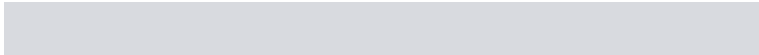
66.4884, 70.0695, 72.8722



65.3933, 70.0695, 76.6109

Rectangle

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



66.7096, 70.0695, 79.8208



67.6043, 70.0695, 78.3016



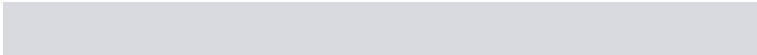
66.4884, 70.0695, 72.8722



65.6036, 70.0695, 74.3206

Sweetspot

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



66.7116, 70.0725, 79.8223



93.5402, 98.3638, 108.6638



67.7454, 72.5905, 78.7786



20.0374, 21.0712, 23.2610



0.0000, 0.0000, 0.0000



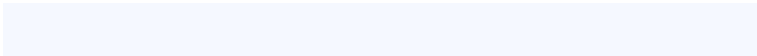
20.3446, 21.4041, 23.3091

Same Dimension

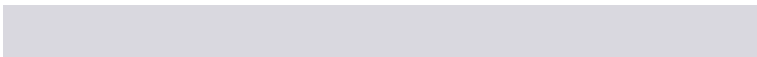
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.7116, 70.0725, 79.8223



89.1177, 93.5591, 107.9694



66.6105, 69.2536, 79.6696



14.3332, 15.0412, 17.5355



8.9878, 5.4452, 41.6257



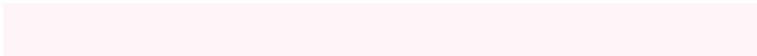
0.6981, 0.5277, 2.9103

Inverse Universe

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



67.6437, 69.8630, 76.2530



90.7317, 93.2038, 101.7872



68.7852, 73.2008, 75.4706



14.6398, 14.9749, 16.3609



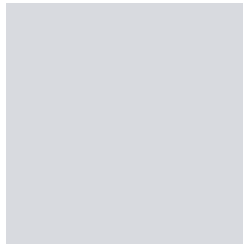
18.4768, 9.4577, 3.9108



1.3186, 0.6707, 0.4708

Previews

White Background



This preview shows how the XYZ color 66.7096, 70.0695, 79.8208 looks on a white background.

Color Contrast Check

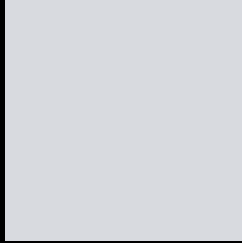
Large Text (above 18pt) WCAG AA × Fail

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 66.7096, 70.0695, 79.8208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

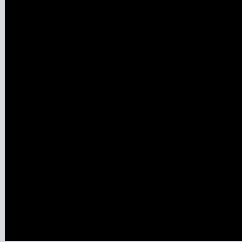
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

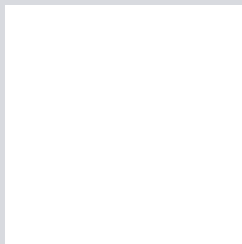
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.7096, 70.0695, 79.8208

Background



This preview shows how black text looks on a background with the XYZ color 66.7096, 70.0695, 79.8208.

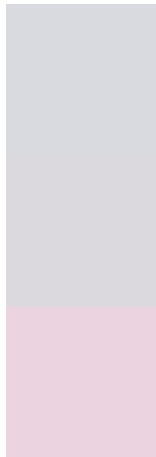


This preview shows how white text looks on a background with the XYZ color 66.7096, 70.0695,

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

66.7096, 70.0695, 79.8208

Protanopia

67.5129, 70.1153, 79.0825

Deuteranopia

71.3409, 69.8032, 80.2343



Tritanopia

68.1773, 69.9004, 86.9896

Trichromacy



Original Color

66.7096, 70.0695, 79.8208

Protanomaly

67.2111, 69.9597, 79.0684

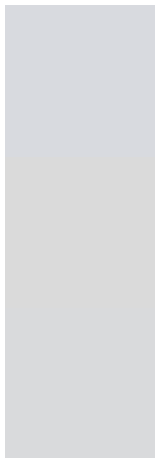
Deuteranomaly

69.8142, 70.1330, 80.3784

Tritanomaly

67.5710, 70.0346, 84.0854

Monochromacy



Original Color

66.7096, 70.0695, 79.8208

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

66.6049, 70.0618, 77.7230

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.7096, 70.0695, 79.8208 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(216, 218, 223) looks like.

```
.text, #text, p{  
    color:rgb(216, 218, 223)  
}
```

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(216, 218, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 218, 223) }
```

Border

The CSS property to change the border of an element to XYZ 66.7096, 70.0695, 79.8208 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(216, 218, 223) }
```


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

```
.border{ border-color:rgb(216, 218, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 218, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 218, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 218, 223);  
box-shadow:4px 4px 4px 4px rgb(216, 218,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 66.7096, 70.0695, 79.8208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 218, 223) }
```

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

```
.background{ background-color: rgb(216,  
218, 223) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor