

Converting Colors

XYZ(66.8237, 70.5841, 87.0785)

Have a look what the booklet for
XYZ(66.8237, 70.5841, 87.0785)
contains.

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Color

**XYZ(66.8795, 70.7712,
87.2261)**

Conversions

Conversions Part 1

Format	Color
Hex	D2DCE9
RGB	210, 220, 233
RGB Percent	82%, 86%, 91%
CMY	0.1765, 0.1372, 0.0863
CMYK	0.10, 0.06, 0.00, 0.09
HSL	214°, 34%, 87%
HSV	214°, 10%, 91%
XYZ	66.8795, 70.7712, 87.2261
YIQ	218.4920, -10.1330, 1.9230

Conversions

Conversions Part 2

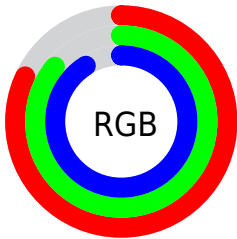
Format	Color
R _Y B	210, 217, 233
Decimal	13819113
CIE Lab	87.37, -0.85, -7.52
CIE LCh	87, 7.566, 263.513
Yxy	70.7712, 0.2974, 0.3147
Android (android.graphics.Color)	4292009193 (0xFFD2DCE9)
YUV	218.4920, 7.1524, -7.4475
Hunter-Lab	84.1256, -5.3131, -2.5872

Details

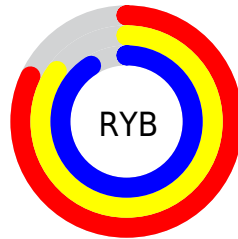
The XYZ color **66.8795, 70.7712, 87.2261** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.6251, 74.7517, 71.6275**, and the grayscale version is **66.9390, 70.4251, 76.6929**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.9085, 37.0532, 46.9071** is the 20% darker color. If you saturate the color by 10%, you get **57.4025, 60.9579, 85.8325**, and if you desaturate by 10%, it is **77.5986, 81.6327, 88.7587**.

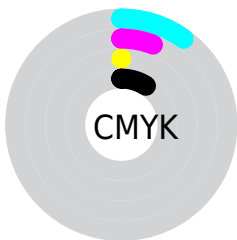
Distribution



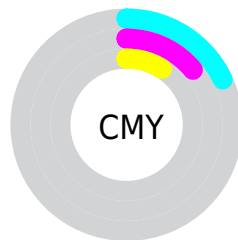
- Red (82%)
- Green (86%)
- Blue (91%)



- Red (82%)
- Yellow (85%)
- Blue (91%)



- Cyan (10%)
- Magenta (6%)
- Yellow (0%)
- Black (9%)



- Cyan (18%)
- Magenta (14%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.8795, 70.7712, 87.2261 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 66.8795, 70.7712, 87.2261 by changing the saturation by 10% instead.

■ 66.8795, 70.7712,
87.2261

■ 66.8795, 70.7712,
87.2261

438.9550,
463.2532, 539.3010

■ 49.2570, 52.1555,
65.1216

113.7985,
120.3079, 145.3809

■ 35.0388, 37.1290,
47.1077

143.8257,
151.9977, 182.2683

■ 23.8594, 25.3074,
32.7659

178.7186,
188.8142, 224.9204

■ 15.3535, 16.3062,
21.6775

218.8425,
231.1420, 273.7559

■ 9.1558, 9.7411,
13.4241

264.5627,
279.3654, 329.1931

■ 4.9009, 5.2276,
7.5871

316.2446,

■ 2.2234, 2.3814,

333.8688, 391.6507

3.7479

374.2536,
395.0366, 461.5471

■ 0.7550, 0.8163,
1.4881

■ 0.0000, 0.0000,
0.2090

■ 66.8795, 70.7712,
87.2261

■ 66.8795, 70.7712,
87.2261

■ 57.4025, 60.9579,
85.8325

■ 77.5986, 81.6327,
88.7587

■ 49.1137, 52.1500,
84.5693

■ 89.0068, 93.2605,
90.4018

■ 41.9640, 44.3146,
83.4338

■ 91.7082, 98.6633,
91.3023

■ 35.8986, 37.4133,
82.4214

■ 30.8574, 31.4049,
81.5273

■ 26.7743, 26.2445,
80.7465

■ 23.5742, 21.8819,
80.0730

■ 21.1690, 18.2597,
79.5007

■ 19.4150, 15.2913,
79.0202

Harmonies

Analogous

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



65.2487, 70.7712, 85.2206



66.8795, 70.7712, 87.2261



68.6423, 70.7712, 86.4118

Triad

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



66.8795, 70.7712, 87.2261



70.4573, 70.7712, 73.2084



64.5482, 70.7712, 71.3681

Complementary

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



66.8795, 70.7712, 87.2261



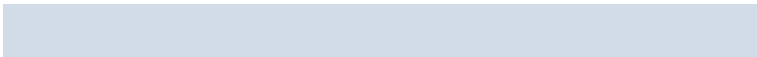
71.6251, 74.7517, 71.6275

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.



65.9080, 70.7712, 68.4044



66.8795, 70.7712, 87.2261



69.3242, 70.7712, 69.4337

Square

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



66.8795, 70.7712, 87.2261



70.7285, 70.7712, 78.1719



67.6538, 70.7712, 67.7121



63.9182, 70.7712, 75.9544

Rectangle

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



66.8795, 70.7712, 87.2261



69.6530, 70.7712, 84.3965



67.6538, 70.7712, 67.7121



64.9340, 70.7712, 70.1574

Sweetspot

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



66.8816, 70.7742, 87.2277



90.9277, 95.8507, 108.3164



68.9906, 77.2895, 80.8483



19.2316, 20.2829, 23.1513



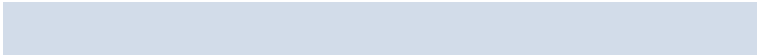
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



66.8816, 70.7742, 87.2277



79.4044, 84.1108, 106.6577



64.6628, 65.8487, 86.3939



14.7701, 15.6267, 19.1600



11.1231, 8.8931, 44.8733



0.9675, 0.8865, 3.5550

Inverse Universe

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



69.5707, 68.5856, 77.2851



83.3931, 80.9425, 91.8928



74.0030, 80.0629, 72.5273



15.3375, 15.1629, 17.0626



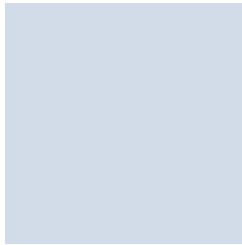
20.4697, 10.3906, 8.2748



1.6549, 0.8349, 0.8999

Previews

White Background



This preview shows how the XYZ color 66.8795, 70.7712, 87.2261 looks on a white background.

Color Contrast Check

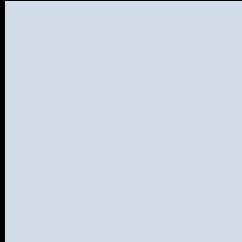
Large Text (above 18pt) WCAG AA × Fail

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 66.8795, 70.7712, 87.2261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

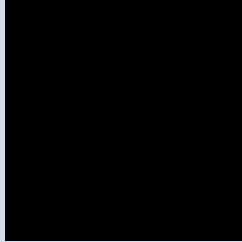
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

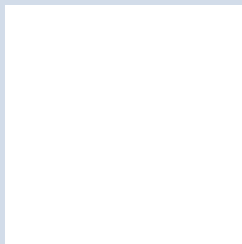
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.8795, 70.7712, 87.2261

Background



This preview shows how black text looks on a background with the XYZ color 66.8795, 70.7712, 87.2261.

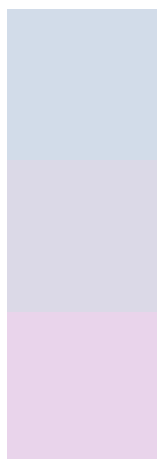


This preview shows how white text looks on a background with the XYZ color 66.8795, 70.7712,

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

66.8795, 70.7712, 87.2261

Protanopia

68.4501, 70.4553, 85.5928

Deuteranopia

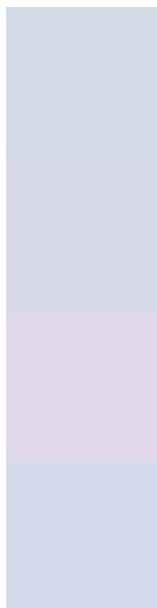
72.1432, 70.4088, 88.3852



Tritanopia

67.4815, 70.6263, 90.1964

Trichromacy



Original Color

66.8795, 70.7712, 87.2261

Protanomaly

67.9558, 70.5679, 86.3832

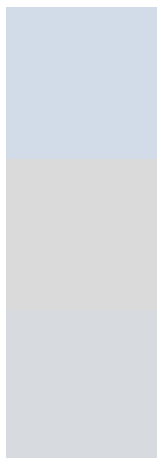
Deuteranomaly

70.2031, 70.5489, 87.7591

Tritanomaly

67.3358, 70.5680, 89.4289

Monochromacy



Original Color

66.8795, 70.7712, 87.2261

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

66.6751, 70.4378, 79.8937

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.8795, 70.7712, 87.2261 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(210, 220, 233) looks like.

```
.text, #text, p{  
    color:rgb(210, 220, 233)  
}
```

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(210, 220, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 220, 233) }
```

Border

The CSS property to change the border of an element to XYZ 66.8795, 70.7712, 87.2261 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(210, 220, 233) }
```


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

```
.border{ border-color:rgb(210, 220, 233) }
```

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

Here you see how a box with a 4 pixel rgb(210, 220, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 220, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 220, 233);  
box-shadow:4px 4px 4px 4px rgb(210, 220,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 66.8795, 70.7712, 87.2261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 220, 233) }
```

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

```
.background{ background-color: rgb(210,  
220, 233) }
```

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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