

Converting Colors

XYZ(66.9994, 71.8485, 87.4285)

Have a look what the booklet for
XYZ(66.9994, 71.8485, 87.4285)
contains.

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Color

**XYZ(67.1081, 72.0684,
87.4644)**

Conversions

Conversions Part 1

Format	Color
Hex	D0DFE9
RGB	208, 223, 233
RGB Percent	82%, 87%, 91%
CMY	0.1843, 0.1255, 0.0863
CMYK	0.11, 0.04, 0.00, 0.09
HSL	204°, 36%, 86%
HSV	204°, 11%, 91%
XYZ	67.1081, 72.0684, 87.4644
YIQ	219.6550, -12.1500, -0.0700

Conversions

Conversions Part 2

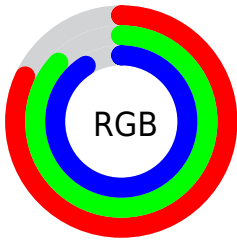
Format	Color
R _Y B	208, 217, 233
Decimal	13688809
CIE Lab	88.00, -3.05, -6.60
CIE LCh	88, 7.277, 245.179
Yxy	72.0684, 0.2961, 0.3180
Android (android.graphics.Color)	4291878889 (0xFFD0DFE9)
YUV	219.6550, 6.5791, -10.2214
Hunter-Lab	84.8931, -7.4585, -1.6606

Details

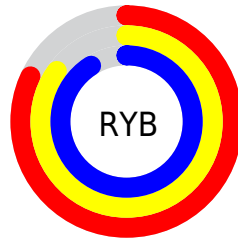
The XYZ color **67.1081, 72.0684, 87.4644** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.0613, 72.0203, 69.8846**, and the grayscale version is **67.7505, 71.2788, 77.6226**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.2649, 38.0496, 47.0806** is the 20% darker color. If you saturate the color by 10%, you get **58.6115, 64.0957, 86.3745**, and if you desaturate by 10%, it is **76.7082, 80.8173, 88.6482**.

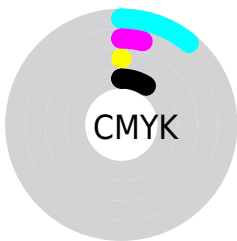
Distribution



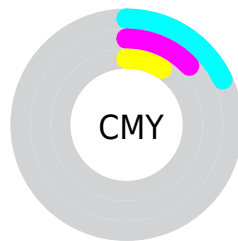
- Red (82%)
- Green (87%)
- Blue (91%)



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



- Cyan (11%)
- Magenta (4%)
- Yellow (0%)
- Black (9%)



- Cyan (18%)
- Magenta (13%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.1081, 72.0684, 87.4644 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 67.1081, 72.0684, 87.4644 by changing the saturation by 10% instead.

■ 67.1081, 72.0684,
87.4644

■ 67.1081, 72.0684,
87.4644

439.7559,
467.7796, 540.1034

■ 49.4435, 53.2146,
65.3178

114.1242,
122.1538, 145.7158

■ 35.1874, 37.9741,
47.2658

144.2065,
154.1541, 182.6577

■ 23.9745, 25.9626,
32.8900

179.1587,
191.3053, 225.3684

■ 15.4393, 16.7956,
21.7718

219.3461,
233.9919, 274.2665

■ 9.2166, 10.0889,
13.4926

265.1342,
282.5983, 329.7705

■ 4.9410, 5.4579,
7.6339

316.8883,

■ 2.2471, 2.5184,

337.5087, 392.2990

3.7772

374.9737,
399.1077, 462.2705

■ 0.7674, 0.8858,
1.5039

■ 0.0000, 0.0000,
0.2209

■ 67.1081, 72.0684,
87.4644

■ 67.1081, 72.0684,
87.4644

■ 58.6115, 64.0957,
86.3745

■ 76.7082, 80.8173,
88.6482

■ 51.1683, 56.8642,
85.3709

■ 87.4470, 90.3577,
89.9237

■ 44.7333, 50.3493,
84.4526

■ 90.4318, 96.1105,
90.8768

■ 39.2557, 44.5213,
83.6164

■ 91.7082, 98.6633,
91.3023

■ 34.6797, 39.3481,
82.8590

■ 30.9435, 34.7941,
82.1769

■ 27.9761, 30.8191,
81.5661

■ 25.6937, 27.3760,
81.0218

■ 24.0613, 24.5896,
80.5700

Harmonies

Analogous

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



65.8084, 72.0684, 84.1040



67.1081, 72.0684, 87.4644



68.8004, 72.0684, 88.3743

Triad

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



67.1081, 72.0684, 87.4644



71.8750, 72.0684, 77.6110



66.5949, 72.0684, 70.9179

Complementary

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



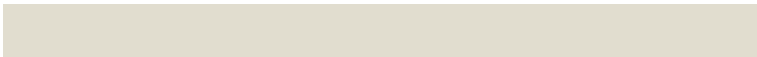
67.1081, 72.0684, 87.4644



70.0613, 72.0203, 69.8846

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.



68.1982, 72.0684, 69.3353



67.1081, 72.0684, 87.4644



71.2617, 72.0684, 73.0939

Square

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



67.1081, 72.0684, 87.4644



71.5713, 72.0684, 82.5492



69.9087, 72.0684, 70.1148



65.5156, 72.0684, 74.5279

Rectangle

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



67.1081, 72.0684, 87.4644



69.9279, 72.0684, 87.4372



69.9087, 72.0684, 70.1148



67.0894, 72.0684, 70.1383

Sweetspot

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



67.1102, 72.0714, 87.4660



91.3232, 96.6416, 108.4482



67.7530, 76.7292, 77.2847



19.3383, 20.4963, 23.1869



0.0000, 0.0000, 0.0000



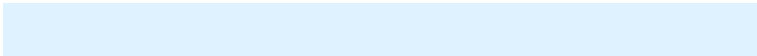
20.3446, 21.4041, 23.3091

Same Dimension

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



67.1102, 72.0714, 87.4660



79.8043, 86.0779, 107.0163



63.9953, 65.8417, 86.4277



14.9831, 16.0526, 19.2310



13.7772, 14.2014, 45.7580



1.1755, 1.3025, 3.6243

Inverse Universe

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



69.4811, 67.7647, 79.2333



83.3100, 79.8183, 94.8185



73.3106, 78.5190, 70.9677



15.4450, 15.2059, 17.6287



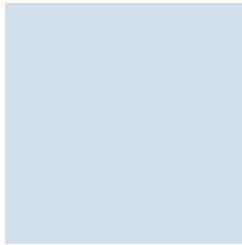
21.8094, 10.9264, 15.3295



1.7599, 0.8769, 1.4528

Previews

White Background



This preview shows how the XYZ color 67.1081, 72.0684, 87.4644 looks on a white background.

Color Contrast Check

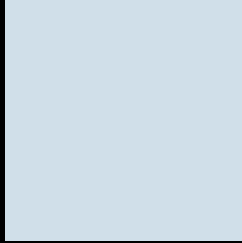
Large Text (above 18pt) WCAG AA × Fail

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 67.1081, 72.0684, 87.4644 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

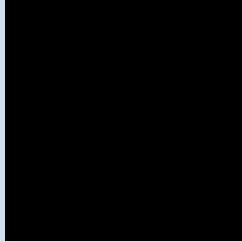
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

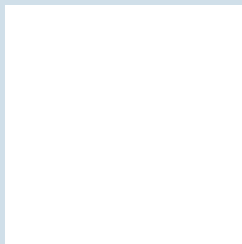
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.1081, 72.0684, 87.4644

Background



This preview shows how black text looks on a background with the XYZ color 67.1081, 72.0684, 87.4644.

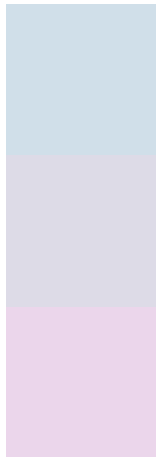


This preview shows how white text looks on a background with the XYZ color 67.1081, 72.0684,

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

67.1081, 72.0684, 87.4644

Protanopia

69.5741, 71.8047, 85.7941

Deuteranopia

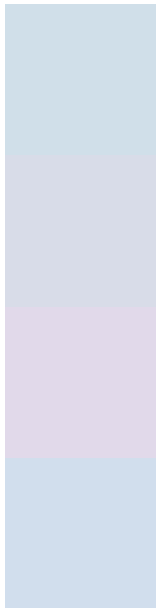
73.3029, 71.7535, 88.5836



Tritanopia

68.1439, 72.0891, 92.7611

Trichromacy



Original Color

67.1081, 72.0684, 87.4644

Protanomaly

68.4776, 71.6115, 86.5572

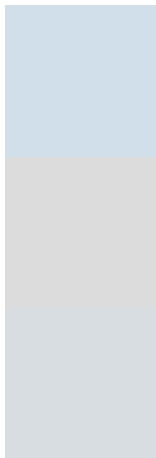
Deuteranomaly

70.7155, 71.5738, 87.9299

Tritanomaly

67.7018, 71.9123, 90.4330

Monochromacy



Original Color

67.1081, 72.0684, 87.4644

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

67.7660, 71.7481, 81.5113

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.1081, 72.0684, 87.4644 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(208, 223, 233) looks like.

```
.text, #text, p{  
    color:rgb(208, 223, 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(208, 223, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 223, 233) }
```

Border

The CSS property to change the border of an element to XYZ 67.1081, 72.0684, 87.4644 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(208, 223, 233) }
```


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

```
.border{ border-color:rgb(208, 223, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 223, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 223, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 223, 233);  
box-shadow:4px 4px 4px 4px rgb(208, 223,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 67.1081, 72.0684, 87.4644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 223, 233) }
```

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

```
.background{ background-color: rgb(208,  
223, 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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