

Converting Colors

XYZ(67.6174, 72.6156, 87.2455)

Have a look what the booklet for
XYZ(67.6174, 72.6156, 87.2455)
contains.

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Color

**XYZ(67.6581, 72.7498,
87.5669)**

Conversions

Conversions Part 1

Format	Color
Hex	D1E0E9
RGB	209, 224, 233
RGB Percent	82%, 88%, 91%
CMY	0.1804, 0.1215, 0.0863
CMYK	0.10, 0.04, 0.00, 0.09
HSL	202°, 35%, 87%
HSV	202°, 10%, 91%
XYZ	67.6581, 72.7498, 87.5669
YIQ	220.5410, -11.8290, -0.3810

Conversions

Conversions Part 2

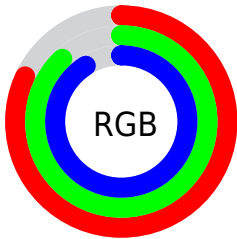
Format	Color
R_{YB}	209, 218, 233
Decimal	13754601
CIE _{Lab}	88.33, -3.25, -6.11
CIE _{LCh}	88, 6.924, 242.006
Yxy	72.7498, 0.2968, 0.3191
Android (android.graphics.Color)	4291944681 (0xFFD1E0E9)
YUV	220.5410, 6.1423, -10.1215
Hunter-Lab	85.2935, -7.6705, -1.1649

Details

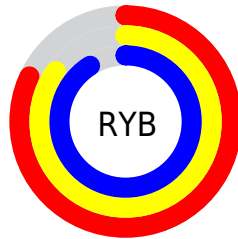
The XYZ color **67.6581, 72.7498, 87.5669** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.1846, 72.0694, 70.5345**, and the grayscale version is **68.3716, 71.9322, 78.3342**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.4502, 38.4203, 47.1424** is the 20% darker color. If you saturate the color by 10%, you get **59.2549, 65.0239, 86.5197**, and if you desaturate by 10%, it is **77.1502, 81.2200, 88.7027**.

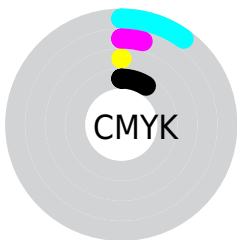
Distribution



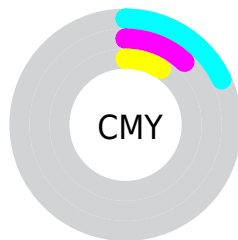
- Red (82%)
- Green (88%)
- Blue (91%)



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



- Cyan (10%)
- Magenta (4%)
- Yellow (0%)
- Black (9%)



- Cyan (18%)
- Magenta (12%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.6581, 72.7498, 87.5669 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 67.6581, 72.7498, 87.5669 by changing the saturation by 10% instead.

■ 67.6581, 72.7498,
87.5669

■ 67.6581, 72.7498,
87.5669

441.6794,
470.1472, 540.4484

■ 49.8923, 53.7714,
65.4021

114.9075,
123.1220, 145.8599

■ 35.5453, 38.4189,
47.3338

145.1218,
155.2845, 182.8252

■ 24.2517, 26.3080,
32.9434

180.2163,
192.6106, 225.5611

■ 15.6462, 17.0542,
21.8123

220.5564,
235.4845, 274.4861

■ 9.3634, 10.2731,
13.5221

266.5074,
284.2907, 330.0188

■ 5.0380, 5.5804,
7.6541

318.4346,

■ 2.3045, 2.5917,

339.4137, 392.5777

3.7898

376.7035,
401.2377, 462.5814

■ 0.7970, 0.9225,
1.5108

■ 0.0000, 0.0000,
0.2259

■ 67.6581, 72.7498,
87.5669

■ 67.6581, 72.7498,
87.5669

■ 59.2549, 65.0239,
86.5197

■ 77.1502, 81.2200,
88.7027

■ 51.8909, 58.0081,
85.5536

■ 87.5439, 90.3346,
89.9142

■ 45.5215, 51.6787,
84.6676

■ 90.1984, 95.6437,
90.7990

■ 40.0965, 46.0071,
83.8588

■ 91.7082, 98.6633,
91.3023

■ 35.5607, 40.9618,
83.1241

■ 31.8531, 36.5086,
82.4599

■ 28.9037, 32.6083,
81.8625

■ 26.6296, 29.2151,
81.3274

■ 24.9345, 26.3359,
80.8610

Harmonies

Analogous

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



66.4732, 72.7498, 84.1599



67.6581, 72.7498, 87.5669



69.2584, 72.7498, 88.7101

Triad

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



67.6581, 72.7498, 87.5669



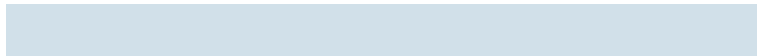
72.3879, 72.7498, 78.8924



67.4674, 72.7498, 71.7057

Complementary

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



67.6581, 72.7498, 87.5669



70.1846, 72.0694, 70.5345

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.



69.0348, 72.7498, 70.4176



67.6581, 72.7498, 87.5669



71.8905, 72.7498, 74.4623

Square

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



67.6581, 72.7498, 87.5669



72.0053, 72.7498, 83.5838



70.6566, 72.7498, 71.4065



66.3644, 72.7498, 74.9956

Rectangle

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



67.6581, 72.7498, 87.5669



70.3502, 72.7498, 87.9994



70.6566, 72.7498, 71.4065



67.9566, 72.7498, 71.0303

Sweetspot

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



67.6602, 72.7529, 87.5685



91.3833, 96.7618, 108.4682



68.0633, 76.8858, 77.4468



19.3545, 20.5288, 23.1923



0.0000, 0.0000, 0.0000



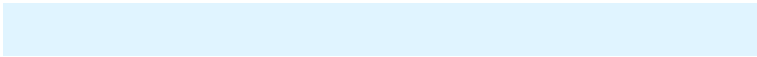
20.3446, 21.4041, 23.3091

Same Dimension

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



67.6602, 72.7529, 87.5685



81.1238, 87.5497, 107.2308



64.5972, 66.6268, 86.5475



15.0157, 16.1179, 19.2419



14.2710, 15.1891, 45.9226



1.2125, 1.3765, 3.6367

Inverse Universe

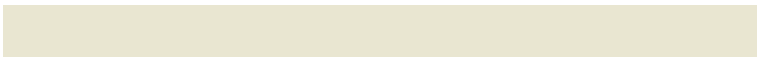
The Inverse Universe completely reimagines the original color for something new.



69.8609, 68.3078, 80.0272



84.2610, 81.2897, 96.4631



73.3552, 78.4106, 71.5914



15.4615, 15.2125, 17.7155



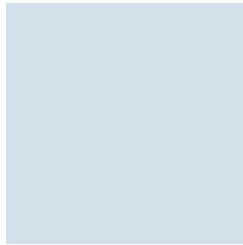
22.0587, 11.0262, 16.6421



1.7785, 0.8844, 1.5510

Previews

White Background



This preview shows how the XYZ color 67.6581, 72.7498, 87.5669 looks on a white background.

Color Contrast Check

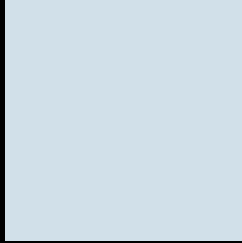
Large Text (above 18pt) WCAG AA × Fail

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 67.6581, 72.7498, 87.5669 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

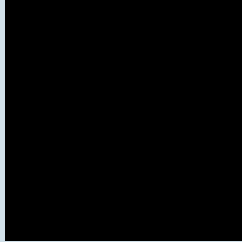
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

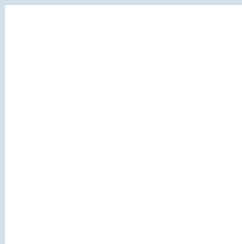
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.6581, 72.7498, 87.5669

Background



This preview shows how black text looks on a background with the XYZ color 67.6581, 72.7498, 87.5669.

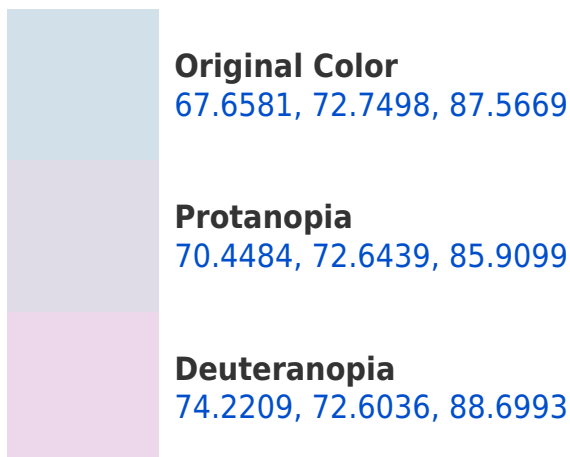


This preview shows how white text looks on a background with the XYZ color 67.6581, 72.7498,

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

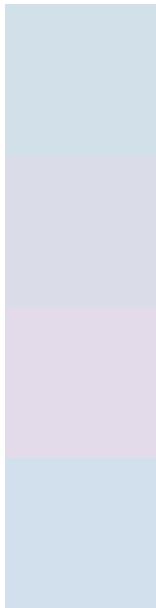




Tritanopia

68.6942, 72.7683, 92.8632

Trichromacy



Original Color

67.6581, 72.7498, 87.5669

Protanomaly

69.3354, 72.4445, 86.6728

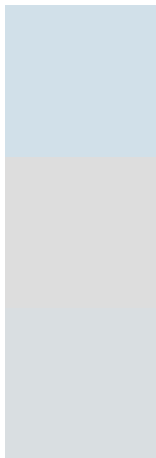
Deuteranomaly

71.6012, 72.4142, 88.0455

Tritanomaly

68.2521, 72.5914, 90.5350

Monochromacy



Original Color

67.6581, 72.7498, 87.5669

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

68.3272, 72.4305, 81.6134

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.6581, 72.7498, 87.5669 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(209, 224, 233) looks like.

```
.text, #text, p{  
    color:rgb(209, 224, 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(209, 224, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 224, 233) }
```

Border

The CSS property to change the border of an element to XYZ 67.6581, 72.7498, 87.5669 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(209, 224, 233) }
```


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

```
.border{ border-color:rgb(209, 224, 233) }
```

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

Here you see how a box with a 4 pixel rgb(209, 224, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 224, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 224, 233);  
box-shadow:4px 4px 4px 4px rgb(209, 224,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 67.6581, 72.7498, 87.5669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 224, 233) }
```

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

```
.background{ background-color: rgb(209,  
224, 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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