

Converting Colors

XYZ(68.3263, 72.9997, 87.4360)

Have a look what the booklet for
XYZ(68.3263, 72.9997, 87.4360)
contains.

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Color

**XYZ(68.5150, 73.1915,
87.6070)**

Conversions

Conversions Part 1

Format	Color
Hex	D4E0E9
RGB	212, 224, 233
RGB Percent	83%, 88%, 91%
CMY	0.1686, 0.1215, 0.0863
CMYK	0.09, 0.04, 0.00, 0.09
HSL	206°, 32%, 87%
HSV	206°, 9%, 91%
XYZ	68.5150, 73.1915, 87.6070
YIQ	221.4380, -10.0410, 0.2550

Conversions

Conversions Part 2

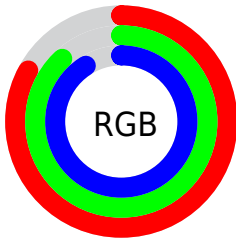
Format	Color
R_{YB}	212, 220, 233
Decimal	13951209
CIE Lab	88.54, -2.28, -5.78
CIE LCh	89, 6.213, 248.457
Yxy	73.1915, 0.2988, 0.3192
Android (android.graphics.Color)	4292141289 (0xFFD4E0E9)
YUV	221.4380, 5.7001, -8.2771
Hunter-Lab	85.5520, -6.7630, -0.8277

Details

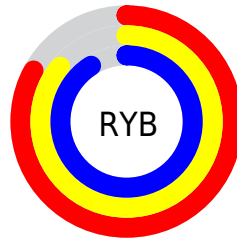
The XYZ color **68.5150, 73.1915, 87.6070** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.3447, 73.7896, 72.7712**, and the grayscale version is **69.0030, 72.5965, 79.0576**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.0284, 38.7184, 47.1695** is the 20% darker color. If you saturate the color by 10%, you get **59.6729, 64.7686, 86.4484**, and if you desaturate by 10%, it is **78.4881, 82.4352, 88.8667**.

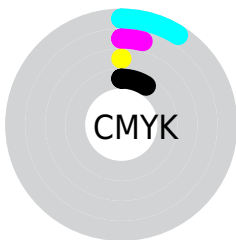
Distribution



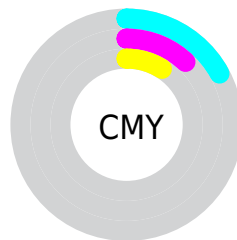
- Red (83%)
- Green (88%)
- Blue (91%)



- Red (83%)
- Yellow (86%)
- Blue (91%)



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



- Cyan (17%)
- Magenta (12%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.5150, 73.1915, 87.6070 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 68.5150, 73.1915, 87.6070 by changing the saturation by 10% instead.

■ 68.5150, 73.1915,
87.6070

■ 68.5150, 73.1915,
87.6070

444.6667,
471.6782, 540.5833

■ 50.5920, 54.1326,
65.4352

116.1265,
123.7490, 145.9162

■ 36.1038, 38.7077,
47.3604

146.5456,
156.0164, 182.8907

■ 24.6848, 26.5324,
32.9643

181.8610,
193.4554, 225.6364

■ 15.9699, 17.2223,
21.8282

222.4377,
236.4504, 274.5720

■ 9.5935, 10.3931,
13.5336

268.6413,
285.3858, 330.1159

■ 5.1905, 5.6604,
7.6620

320.8371,

■ 2.3954, 2.6397,

340.6460, 392.6867

3.7948

379.3905,
402.6153, 462.7030

■ 0.8428, 0.9467,
1.5134

■ 0.0000, 0.0000,
0.2279

■ 68.5150, 73.1915,
87.6070

■ 68.5150, 73.1915,
87.6070

■ 59.6729, 64.7686,
86.4484

■ 78.4881, 82.4352,
88.8667

■ 51.9114, 57.1308,
85.3832

■ 88.2896, 91.8262,
90.1628

■ 45.1857, 50.2526,
84.4101

■ 91.3746, 97.9961,
91.1911

■ 39.4450, 44.1038,
83.5258

■ 91.7082, 98.6633,
91.3023

■ 34.6340, 38.6515,
82.7270

■ 30.6912, 33.8597,
82.0099

■ 27.5470, 29.6878,
81.3703

■ 25.1197, 26.0889,
80.8036

■ 23.2849, 22.9940,
80.3029

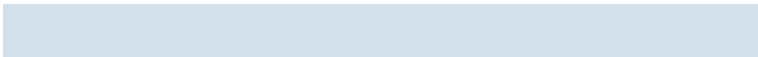
Harmonies

Analogous

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



67.3372, 73.1915, 84.9292



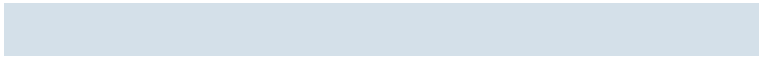
68.5150, 73.1915, 87.6070



69.9904, 73.1915, 88.1258

Triad

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



68.5150, 73.1915, 87.6070



72.4516, 73.1915, 78.4873



67.7920, 73.1915, 73.4122

Complementary

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



68.5150, 73.1915, 87.6070



71.3447, 73.7896, 72.7712

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.



69.1440, 73.1915, 71.8163



68.5150, 73.1915, 87.6070



71.8441, 73.1915, 74.6768

Square

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



68.5150, 73.1915, 87.6070



72.2774, 73.1915, 82.7578



70.6284, 73.1915, 72.2708



66.9239, 73.1915, 76.7050

Rectangle

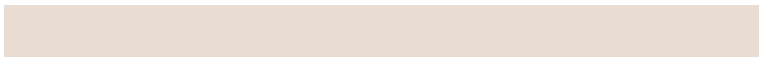
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.5150, 73.1915, 87.6070



70.9465, 73.1915, 87.1604



70.6284, 73.1915, 72.2708



68.2042, 73.1915, 72.6650

Sweetspot

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



68.5171, 73.1946, 87.6086



91.2547, 96.5046, 108.4253



69.3094, 77.4832, 79.5361



19.3198, 20.4593, 23.1807



0.0000, 0.0000, 0.0000



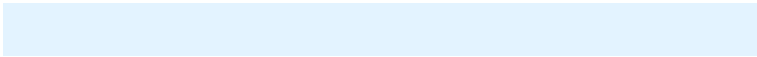
20.3446, 21.4041, 23.3091

Same Dimension

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



68.5171, 73.1946, 87.6086



81.7583, 87.6337, 107.2136



65.8440, 67.8483, 86.7176



14.9460, 15.9784, 19.2186



13.2443, 13.1355, 45.5803



1.1351, 1.2218, 3.6109

Inverse Universe

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



70.6040, 69.7939, 80.2749



84.8705, 82.6409, 96.2586



74.1350, 79.3702, 73.7013



15.4263, 15.1984, 17.5301



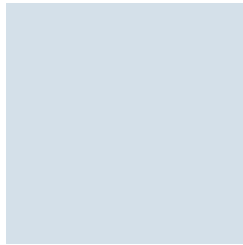
21.5404, 10.8188, 13.9129



1.7395, 0.8688, 1.3454

Previews

White Background



This preview shows how the XYZ color 68.5150, 73.1915, 87.6070 looks on a white background.

Color Contrast Check

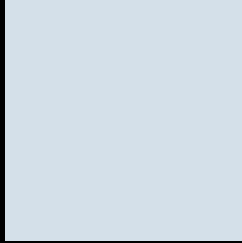
Large Text (above 18pt) WCAG AA × Fail

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 68.5150, 73.1915, 87.6070 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

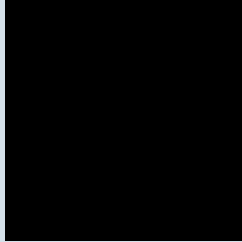
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

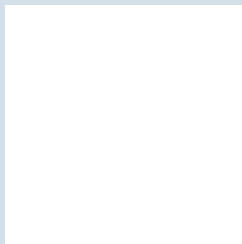
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.5150, 73.1915, 87.6070

Background



This preview shows how black text looks on a background with the XYZ color 68.5150, 73.1915, 87.6070.

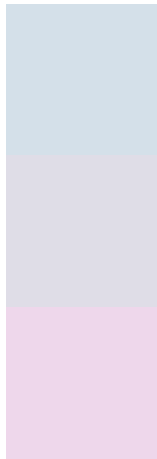


This preview shows how white text looks on a background with the XYZ color 68.5150, 73.1915,

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

68.5150, 73.1915, 87.6070

Protanopia

70.7117, 73.1704, 85.9977

Deuteranopia

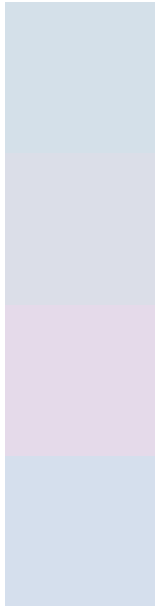
74.5557, 72.7762, 88.7150



Tritanopia

69.5564, 73.2128, 92.9035

Trichromacy



Original Color

68.5150, 73.1915, 87.6070

Protanomaly

69.9002, 73.1288, 86.7751

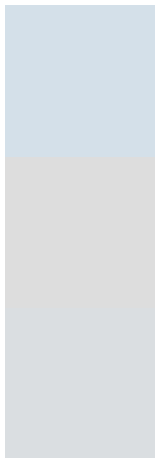
Deuteranomaly

72.2358, 72.7413, 88.0751

Tritanomaly

69.1143, 73.0359, 90.5754

Monochromacy



Original Color

68.5150, 73.1915, 87.6070

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

68.6253, 72.5842, 81.6274

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.5150, 73.1915, 87.6070 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(212, 224, 233) looks like.

```
.text, #text, p{  
    color:rgb(212, 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(212, 224, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 224, 233) }
```

Border

The CSS property to change the border of an element to XYZ 68.5150, 73.1915, 87.6070 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(212, 224, 233) }
```


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

```
.border{ border-color:rgb(212, 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(212, 224, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 224, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 224, 233);  
box-shadow:4px 4px 4px 4px rgb(212, 224,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 68.5150, 73.1915, 87.6070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 224, 233) }
```

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

```
.background{ background-color: rgb(212,  
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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