

Converting Colors

XYZ(50.1606, 63.5198, 81.8069)

Have a look what the booklet for
XYZ(50.1606, 63.5198, 81.8069)
contains.

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Color

**XYZ(50.1068, 63.4172,
81.5513)**

Conversions

Conversions Part 1

Format	Color
Hex	87DFE2
RGB	135, 223, 226
RGB Percent	53%, 87%, 89%
CMY	0.4706, 0.1255, 0.1137
CMYK	0.40, 0.01, 0.00, 0.11
HSL	182°, 61%, 71%
HSV	182°, 40%, 89%
XYZ	50.1068, 63.4172, 81.5513
YIQ	197.0300, -53.4110, -17.7230

Conversions

Conversions Part 2

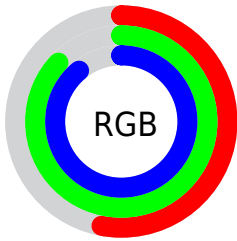
Format	Color
RYB	135, 180, 226
Decimal	8904674
CIELab	83.66, -25.66, -9.80
CIELCh	84, 27.468, 200.902
Yxy	63.4172, 0.2569, 0.3251
Android (android.graphics.Color)	4287094754 (0xFF87DFE2)
YUV	197.0300, 14.2822, -54.4003
Hunter-Lab	79.6349, -27.0478, -4.9723

Details

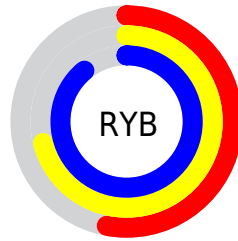
The XYZ color **50.1068, 63.4172, 81.5513** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **44.8267, 36.0958, 27.5277**, and the grayscale version is **53.0302, 55.7919, 60.7574**.

A 20% lighter version of the original color is **75.5482, 89.9465, 107.9873**, and **24.4952, 32.5652, 43.5228** is the 20% darker color. If you saturate the color by 10%, you get **46.6515, 61.3428, 81.3341**, and if you desaturate by 10%, it is **54.3385, 65.8962, 81.8079**.

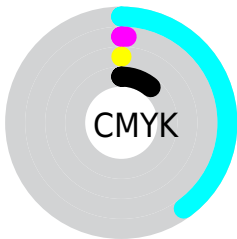
Distribution



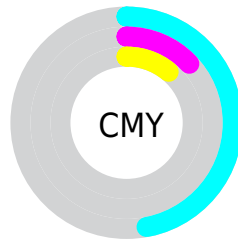
- Red (53%)
- Green (87%)
- Blue (89%)



- Red (53%)
- Yellow (71%)
- Blue (89%)



- Cyan (40%)
- Magenta (1%)
- Yellow (0%)
- Black (11%)





- Cyan (47%)
- Magenta (13%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.1068, 63.4172, 81.5513 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 50.1068, 63.4172, 81.5513 by changing the saturation by 10% instead.


 50.1068, 63.4172,
81.5513


 50.1068, 63.4172,
81.5513


377.5285,
437.0820, 519.9896


 35.7164, 46.1788,
60.4621


 89.5240, 109.7712,
137.3756

 24.3843, 32.3869,
43.3635


 115.2815,
139.6556, 172.9478

 15.7453, 21.6572,
29.8369


 145.5587,
174.5240, 214.1848

 9.4338, 13.6052,
19.4638


180.7210,
214.7610, 261.5050

 5.0845, 7.8466,
11.8257

221.1338,
260.7509, 315.3270

 2.3322, 3.9970,
6.5040

267.1625,

 0.8111, 1.6719,

312.8781, 376.0695

3.0802

319.1722,
371.5270, 444.1508

■ 0.0000, 0.4053,
1.1357

■ 0.0000, 0.0000,
0.0000

■ 50.1068, 63.4172,
81.5513

■ 50.1068, 63.4172,
81.5513

■ 46.6515, 61.3428,
81.3341

■ 54.3385, 65.8962,
81.8079

■ 43.9176, 59.6401,
81.1495


■ 59.3860, 68.7955,
82.1014


■ 41.8522, 58.2833,
80.9965


■ 65.2925, 72.1390,
82.4355


■ 40.3925, 57.2400,
80.8721


■ 72.0967, 75.9466,
82.8118


 39.4636, 56.4716,
80.7727


 79.8351, 80.2370,
83.2321

 38.9436, 55.9230,
80.6942

 82.5657, 81.9471,
83.4183

 82.7703, 82.3564,
83.4865

 82.9759, 82.7674,
83.5550

 83.1823, 83.1802,
83.6238

Harmonies

Analogous

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



49.5647, 63.4172, 63.9455



50.1068, 63.4172, 81.5513



53.2743, 63.4172, 98.0696

Triad

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



50.1068, 63.4172, 81.5513



69.7022, 63.4172, 92.1104



62.1231, 63.4172, 41.2423

Complementary

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



50.1068, 63.4172, 81.5513



44.8267, 36.0958, 27.5277

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.



67.8661, 63.4172, 46.4079



50.1068, 63.4172, 81.5513



72.4293, 63.4172, 74.4203

Square

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



50.1068, 63.4172, 81.5513



64.4961, 63.4172, 104.8357



71.7360, 63.4172, 57.8974



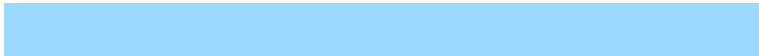
56.2444, 63.4172, 42.5050

Rectangle

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



50.1068, 63.4172, 81.5513



56.5716, 63.4172, 105.3073



71.7360, 63.4172, 57.8974



64.1390, 63.4172, 42.2476

Sweetspot

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



50.1087, 63.4197, 81.5528



84.3539, 94.0098, 108.3075



41.6701, 61.3372, 33.1301



17.8284, 19.9940, 23.1695



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.



50.1087, 63.4197, 81.5528



62.1470, 81.1483, 106.9954



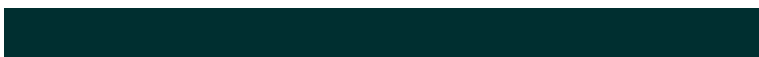
39.8373, 42.8769, 78.1290



14.0758, 15.4908, 17.6358



22.2351, 31.9398, 46.0414



1.5535, 2.2385, 3.1954

Inverse Universe

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



53.3488, 38.8260, 74.4971



66.9804, 44.8887, 96.3744



52.4699, 51.3822, 30.0755



14.2745, 13.9274, 17.2157



25.1635, 12.1324, 39.1221



1.7504, 0.8434, 2.7444

Previews

White Background



This preview shows how the XYZ color 50.1068, 63.4172, 81.5513 looks on a white background.

Color Contrast Check

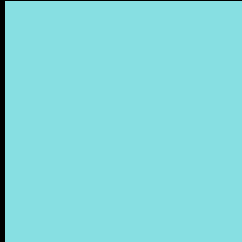
Large Text (above 18pt) WCAG AA × Fail

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 50.1068, 63.4172, 81.5513 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

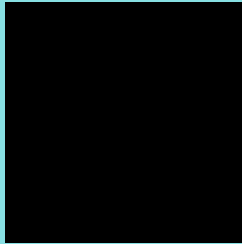
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.1068, 63.4172, 81.5513

Background



This preview shows how black text looks on a background with the XYZ color 50.1068, 63.4172, 81.5513.

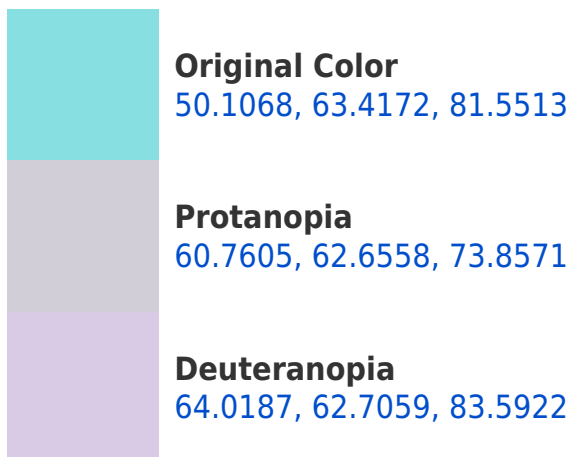


This preview shows how white text looks on a background with the XYZ color 50.1068, 63.4172,

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

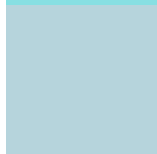
52.0839, 63.4339, 91.1602

Trichromacy



Original Color

50.1068, 63.4172, 81.5513



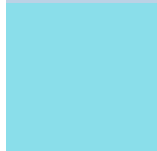
Protanomaly

55.7532, 62.1994, 76.7773



Deuteranomaly

57.6830, 62.3151, 83.1165



Tritanomaly

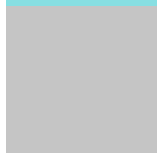
51.4538, 63.5863, 87.4034

Monochromacy



Original Color

50.1068, 63.4172, 81.5513



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

50.9120, 57.6954, 68.1275

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1068, 63.4172, 81.5513 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(135, 223, 226)` looks like.

```
.text, #text, p{  
    color:rgb(135, 223, 226)  
}
```

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(135, 223, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 223, 226) }
```

Border

The CSS property to change the border of an element to XYZ 50.1068, 63.4172, 81.5513 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(135, 223, 226) }
```


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

```
.border{ border-color:rgb(135, 223, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 223, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 223, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 223, 226); box-shadow:4px 4px 4px 4px rgb(135, 223, 226) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1068, 63.4172, 81.5513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 223, 226) }
```

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

```
.background{ background-color: rgb(135,  
223, 226) }
```

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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