

Converting Colors

XYZ(48.1808, 64.0658, 65.2244)

Have a look what the booklet for
XYZ(48.1808, 64.0658, 65.2244)
contains.

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Color

**XYZ(48.0555, 63.9281,
65.0649)**

Conversions

Conversions Part 1

Format	Color
Hex	89E2C9
RGB	137, 226, 201
RGB Percent	54%, 89%, 79%
CMY	0.4627, 0.1137, 0.2118
CMYK	0.39, 0.00, 0.11, 0.11
HSL	163°, 61%, 71%
HSV	163°, 39%, 89%
XYZ	48.0555, 63.9281, 65.0649
YIQ	196.5390, -45.0190, -26.6430

Conversions

Conversions Part 2

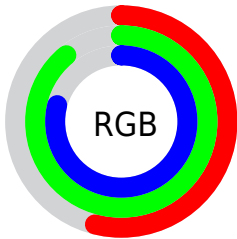
Format	Color
RYB	137, 189, 226
Decimal	9036489
CIELab	83.93, -32.40, 3.83
CIELCh	84, 32.626, 173.255
Yxy	63.9281, 0.2714, 0.3611
Android (android.graphics.Color)	4287226569 (0xFF89E2C9)
YUV	196.5390, 2.1993, -52.2157
Hunter-Lab	79.9550, -32.6372, 7.7202

Details

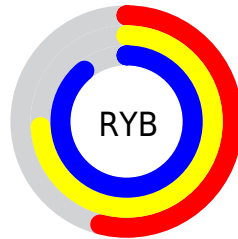
The XYZ color **48.0555, 63.9281, 65.0649** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **46.8335, 36.6704, 38.7946**, and the grayscale version is **52.8012, 55.5509, 60.4950**.

A 20% lighter version of the original color is **76.0581, 90.2093, 108.0112**, and **23.0345, 32.6054, 32.6832** is the 20% darker color. If you saturate the color by 10%, you get **44.0005, 61.9238, 61.0576**, and if you desaturate by 10%, it is **52.9209, 66.3499, 69.2741**.

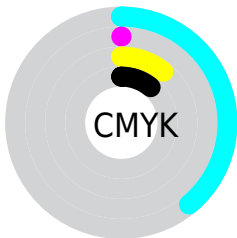
Distribution



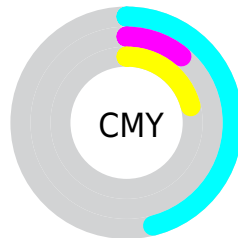
- Red (54%)
- Green (89%)
- Blue (79%)



- Red (54%)
- Yellow (74%)
- Blue (89%)



- Cyan (39%)
- Magenta (0%)
- Yellow (11%)
- Black (11%)





- Cyan (46%)
- Magenta (11%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.0555, 63.9281, 65.0649 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 48.0555, 63.9281, 65.0649 by changing the saturation by 10% instead.


 48.0555, 63.9281,
65.0649

 48.0555, 63.9281,
65.0649


369.5910,
438.9300, 461.3377


 34.0823, 46.5924,
47.0620


 86.4962, 110.5074,
113.7573

 23.1200, 32.7136,
32.7300


 111.6944,
140.5198, 145.2840

 14.8033, 21.9071,
21.6503


 141.3650,
175.5266, 182.1556

 8.7669, 13.7887,
13.4043

175.8733,
215.9121, 224.7908

 4.6453, 7.9738,
7.5735

215.5847,
262.0609, 273.6081

 2.0733, 4.0782,
3.7395

260.8646,

 0.6746, 1.7174,

314.3571, 329.0259

1.4835

312.0782,
373.1854, 391.4630

■ 0.0000, 0.4349,
0.2056

■ 0.0000, 0.0000,
0.0000

■ 48.0555, 63.9281,
65.0649

■ 48.0555, 63.9281,
65.0649

■ 44.0005, 61.9238,
61.0576

■ 52.9209, 66.3499,
69.2741

■ 40.7013, 60.3040,
57.2435

■ 58.6363, 69.2046,
73.6847

■ 38.1049, 59.0431,
53.6196

■ 65.2450, 72.5161,
78.3021

■ 36.1490, 58.1088,
50.1810

■ 72.7859, 76.3045,
83.1298

■ 34.7598, 57.4634,
46.9222

■ 81.2954, 80.5886,
88.1715

■ 33.8176, 57.0450,
43.8355

■ 84.0316, 81.8926,
93.1132

■ 33.7649, 57.0219,
43.6495

■ 84.9868, 82.2747,
98.1436

■ 85.9754, 82.6701,
103.3494

■ 86.4875, 82.8749,
106.0458

Harmonies

Analogous

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



50.3558, 63.9281, 48.5287



48.0555, 63.9281, 65.0649



48.9385, 63.9281, 86.4158

Triad

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



48.0555, 63.9281, 65.0649



66.3779, 63.9281, 112.6249



69.4021, 63.9281, 42.4855

Complementary

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



48.0555, 63.9281, 65.0649



46.8335, 36.6704, 38.7946

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.



74.3507, 63.9281, 55.1325



48.0555, 63.9281, 65.0649



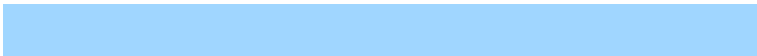
72.5108, 63.9281, 96.0451

Square

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



48.0555, 63.9281, 65.0649



59.1544, 63.9281, 116.7241



75.5308, 63.9281, 74.3554



62.3979, 63.9281, 37.2591

Rectangle

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



48.0555, 63.9281, 65.0649



51.2502, 63.9281, 100.3719



75.5308, 63.9281, 74.3554



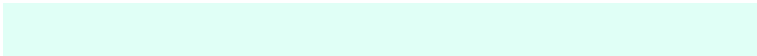
71.3828, 63.9281, 45.8740

Sweetspot

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



48.0573, 63.9307, 65.0664



83.3212, 94.1099, 101.2876



46.6581, 63.9056, 33.5439



17.5841, 20.0180, 21.5076



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.



48.0573, 63.9307, 65.0664



58.8712, 81.9215, 81.3480



46.2902, 55.3002, 80.1887



13.9438, 15.5032, 16.7391



19.3152, 32.5509, 25.1806



1.3764, 2.2713, 1.9435

Inverse Universe

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



46.8335, 36.6704, 38.7946



57.0693, 41.4876, 42.4469



47.8175, 41.8489, 29.2254



13.8647, 13.7635, 15.0577



18.4567, 9.4497, 3.8045



1.3169, 0.6700, 0.4617

Previews

White Background



This preview shows how the XYZ color 48.0555, 63.9281, 65.0649 looks on a white background.

Color Contrast Check

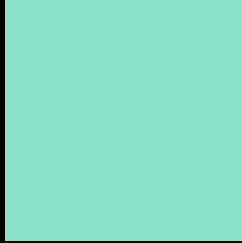
Large Text (above 18pt) WCAG AA × Fail

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 48.0555, 63.9281, 65.0649 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

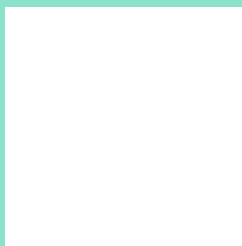
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.0555, 63.9281, 65.0649

Background



This preview shows how black text looks on a background with the XYZ color 48.0555, 63.9281, 65.0649.

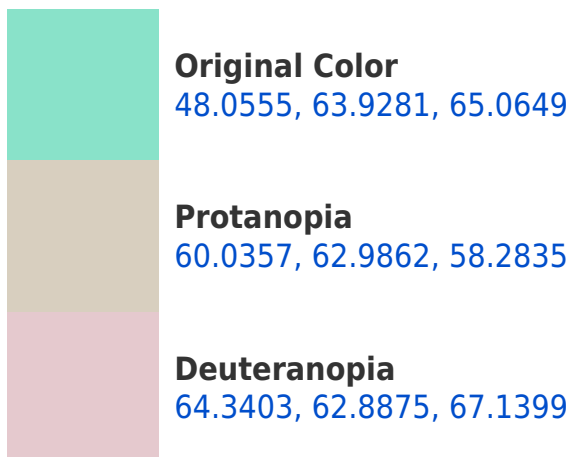


This preview shows how white text looks on a background with the XYZ color 48.0555, 63.9281, 65.0649.

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

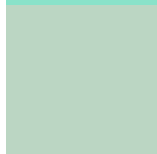
53.1431, 63.9969, 90.4406

Trichromacy



Original Color

48.0555, 63.9281, 65.0649



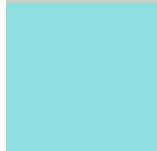
Protanomaly

54.3904, 62.5981, 60.8457



Deuteranomaly

56.7106, 62.1886, 66.1414



Tritanomaly

51.3060, 64.0512, 80.8932

Monochromacy



Original Color

48.0555, 63.9281, 65.0649



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

50.4281, 58.3029, 62.0218

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0555, 63.9281, 65.0649 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(137, 226, 201)` looks like.

```
.text, #text, p{  
    color:rgb(137, 226, 201)  
}
```

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(137, 226, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 226, 201) }
```

Border

The CSS property to change the border of an element to XYZ 48.0555, 63.9281, 65.0649 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(137, 226, 201) }
```


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

```
.border{ border-color:rgb(137, 226, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 226, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 226, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 226, 201);  
box-shadow:4px 4px 4px 4px rgb(137, 226,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0555, 63.9281, 65.0649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 226, 201) }
```

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

```
.background{ background-color: rgb(137,  
226, 201) }
```

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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