

Converting Colors

XYZ(48.2937, 66.3870, 61.6180)

Have a look what the booklet for
XYZ(48.2937, 66.3870, 61.6180)
contains.

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Color

**XYZ(48.2578, 66.1603,
61.8565)**

Conversions

Conversions Part 1

Format	Color
Hex	86E7C3
RGB	134, 231, 195
RGB Percent	53%, 91%, 76%
CMY	0.4745, 0.0941, 0.2353
CMYK	0.42, 0.00, 0.16, 0.09
HSL	158°, 67%, 72%
HSV	158°, 42%, 91%
XYZ	48.2578, 66.1603, 61.8565
YIQ	197.8930, -46.2560, -31.7600

Conversions

Conversions Part 2

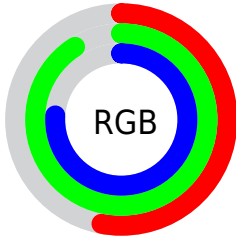
Format	Color
RYB	134, 194, 231
Decimal	8841155
CIELab	85.08, -36.80, 8.63
CIELCh	85, 37.796, 166.801
Yxy	66.1603, 0.2738, 0.3753
Android (android.graphics.Color)	4287031235 (0xFF86E7C3)
YUV	197.8930, -1.4262, -56.0342
Hunter-Lab	81.3390, -36.4405, 11.8486

Details

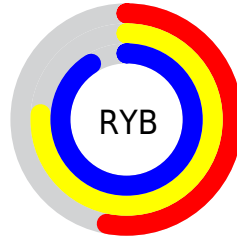
The XYZ color **48.2578, 66.1603, 61.8565** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **48.7381, 36.9432, 42.5949**, and the grayscale version is **53.6416, 56.4351, 61.4578**.

A 20% lighter version of the original color is **74.8165, 89.6246, 105.4515**, and **23.2796, 34.2027, 30.5741** is the 20% darker color. If you saturate the color by 10%, you get **44.0289, 64.0908, 56.7435**, and if you desaturate by 10%, it is **53.3502, 68.6720, 67.3034**.

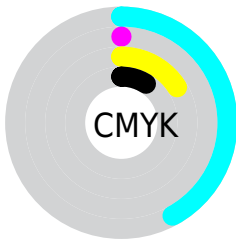
Distribution



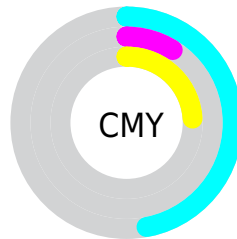
- Red (53%)
- Green (91%)
- Blue (76%)



- Red (53%)
- Yellow (76%)
- Blue (91%)



- Cyan (42%)
- Magenta (0%)
- Yellow (16%)
- Black (9%)




- Cyan (47%)
- Magenta (9%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.2578, 66.1603, 61.8565 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 48.2578, 66.1603, 61.8565 by changing the saturation by 10% instead.


 48.2578, 66.1603,
61.8565


 48.2578, 66.1603,
61.8565


370.3787,
446.9500, 449.4007


 34.2432, 48.4025,
44.4817


 86.7955, 113.7164,
109.0877

 23.2443, 34.1458,
30.7094


 112.0493,
144.2835, 139.7812

 14.8957, 23.0056,
20.1211


 141.7802,
179.8892, 175.7513

 8.8320, 14.5977,
12.2981

176.3535,
220.9178, 217.4166

 4.6880, 8.5375,
6.8221

216.1347,
267.7538, 265.1957

 2.0983, 4.4408,
3.2743

261.4891,

 0.6883, 1.9230,

320.7816, 319.5070

1.2363

312.7819,
380.3855, 380.7692

■ 0.0000, 0.5622,
0.0088

■ 0.0000, 0.0000,
0.0000

■ 48.2578, 66.1603,
61.8565

■ 48.2578, 66.1603,
61.8565

■ 44.0289, 64.0908,
56.7435

■ 53.3502, 68.6720,
67.3034

■ 40.6041, 62.4277,
51.9524


■ 59.3495, 71.6430,
73.0867


■ 37.9252, 61.1430,
47.4772


■ 66.3030, 75.0992,
79.2145


■ 35.9229, 60.2009,
43.3093


■ 74.2526, 79.0622,
85.6934

 34.5144, 59.5590,
39.4397

 83.2380, 83.5523,
92.5296

 33.7085, 59.2067,
36.5471

 86.5200, 85.0953,
99.4121

 87.8671, 85.6342,
106.5057

Harmonies

Analogous

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



51.6916, 66.1603, 44.4806



48.2578, 66.1603, 61.8565



48.4813, 66.1603, 86.4522

Triad

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



48.2578, 66.1603, 61.8565



67.7335, 66.1603, 126.8676



74.7648, 66.1603, 42.9870

Complementary

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



48.2578, 66.1603, 61.8565



48.7381, 36.9432, 42.5949

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.



79.8877, 66.1603, 59.3210



48.2578, 66.1603, 61.8565



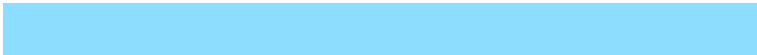
75.5841, 66.1603, 109.1207

Square

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



48.2578, 66.1603, 61.8565



59.2201, 66.1603, 127.9829



80.2004, 66.1603, 83.2781



66.6947, 66.1603, 35.3622

Rectangle

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



48.2578, 66.1603, 61.8565



50.6682, 66.1603, 103.9202



80.2004, 66.1603, 83.2781



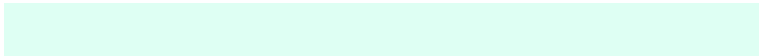
76.9191, 66.1603, 47.4500

Sweetspot

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



48.2596, 66.1630, 61.8580



81.9701, 93.4786, 98.2766



49.7157, 67.5544, 32.9744



17.1154, 19.7946, 20.6652



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.



48.2596, 66.1630, 61.8580



55.9326, 80.6087, 72.0780



49.7676, 61.8608, 84.9217



14.5687, 16.2409, 17.2594



18.9586, 33.2155, 20.8140



1.4455, 2.4723, 1.7726

Inverse Universe

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



48.7381, 36.9432, 42.5949



56.6145, 39.6564, 45.1365



47.4340, 39.0596, 27.5946



14.5971, 14.4560, 16.0786



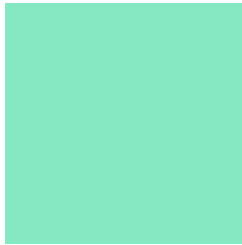
19.4658, 9.9205, 6.0820



1.4822, 0.7506, 0.6797

Previews

White Background



This preview shows how the XYZ color 48.2578, 66.1603, 61.8565 looks on a white background.

Color Contrast Check

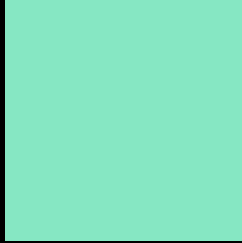
Large Text (above 18pt) WCAG AA × Fail

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 48.2578, 66.1603, 61.8565 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

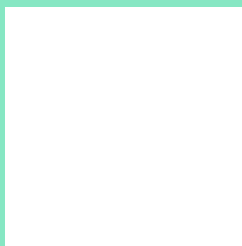
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.2578, 66.1603, 61.8565

Background



This preview shows how black text looks on a background with the XYZ color 48.2578, 66.1603, 61.8565.



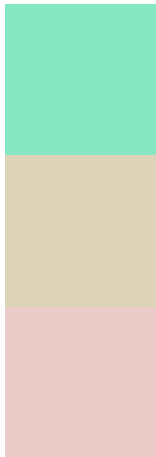
This preview shows how white text looks on a background with the XYZ color 48.2578, 66.1603,

61.8565.

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

48.2578, 66.1603, 61.8565

Protanopia

61.7648, 65.4214, 54.7196

Deuteranopia

66.7276, 65.2356, 64.3332



Tritanopia

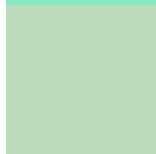
54.5367, 65.8331, 93.8371

Trichromacy



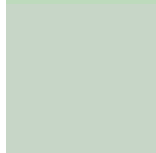
Original Color

48.2578, 66.1603, 61.8565



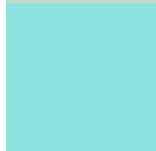
Protanomaly

55.1348, 64.5925, 57.1386



Deuteranomaly

57.9086, 64.3588, 63.4032



Tritanomaly

52.2150, 66.1252, 81.2456

Monochromacy



Original Color

48.2578, 66.1603, 61.8565



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

50.8038, 59.2384, 61.5798

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2578, 66.1603, 61.8565 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(134, 231, 195)` looks like.

```
.text, #text, p{  
    color:rgb(134, 231, 195)  
}
```

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(134, 231, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 231, 195) }
```

Border

The CSS property to change the border of an element to XYZ 48.2578, 66.1603, 61.8565 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(134, 231, 195) }
```


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

```
.border{ border-color:rgb(134, 231, 195) }
```

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

Here you see how a box with a 4 pixel rgb(134, 231, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 231, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 231, 195);  
box-shadow:4px 4px 4px 4px rgb(134, 231,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2578, 66.1603, 61.8565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 231, 195) }
```

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

```
.background{ background-color: rgb(134,  
231, 195) }
```

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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