

Converting Colors

XYZ(48.2290, 53.3003, 60.3674)

Have a look what the booklet for
XYZ(48.2290, 53.3003, 60.3674)
contains.

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Color

**XYZ(48.4044, 53.4287,
60.5849)**

Conversions

Conversions Part 1

Format	Color
Hex	B2C5C5
RGB	178, 197, 197
RGB Percent	70%, 77%, 77%
CMY	0.3020, 0.2274, 0.2274
CMYK	0.10, 0.00, 0.00, 0.23
HSL	180°, 14%, 74%
HSV	180°, 10%, 77%
XYZ	48.4044, 53.4287, 60.5849
YIQ	191.3190, -11.3240, -4.0280

Conversions

Conversions Part 2

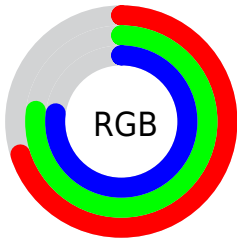
Format	Color
R_{YB}	178, 188, 197
Decimal	11716037
CIE Lab	78.13, -6.43, -2.21
CIE LCh	78, 6.804, 198.963
Yxy	53.4287, 0.2980, 0.3290
Android (android.graphics.Color)	4289906117 (0xFFB2C5C5)
YUV	191.3190, 2.8007, -11.6808
Hunter-Lab	73.0949, -9.7112, 2.0238

Details

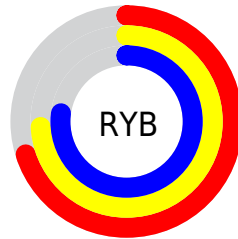
The XYZ color **48.4044, 53.4287, 60.5849** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.9842, 46.9269, 48.7034**, and the grayscale version is **49.6966, 52.2847, 56.9380**.

A 20% lighter version of the original color is **87.2629, 95.5318, 107.6062**, and **23.2378, 25.9881, 29.7780** is the 20% darker color. If you saturate the color by 10%, you get **44.2050, 51.2653, 60.3876**, and if you desaturate by 10%, it is **53.2561, 55.9312, 60.8149**.

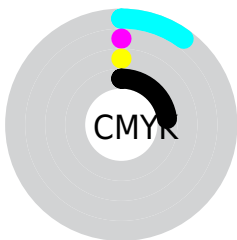
Distribution



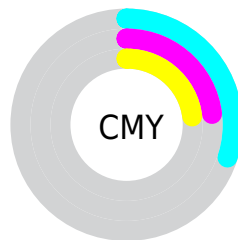
- Red (70%)
- Green (77%)
- Blue (77%)



- Red (70%)
- Yellow (74%)
- Blue (77%)



- Cyan (10%)
- Magenta (0%)
- Yellow (0%)
- Black (23%)



- Cyan (30%)
- Magenta (23%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.4044, 53.4287, 60.5849 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 48.4044, 53.4287, 60.5849 by changing the saturation by 10% instead.

■ 48.4044, 53.4287,
60.5849

■ 48.4044, 53.4287,
60.5849

370.9488,
399.9277, 444.6147

■ 34.3598, 38.1451,
43.4619

■ 87.0123, 95.2349,
107.2293

■ 23.3344, 26.0953,
29.9136

112.3063,
122.5263, 137.5878

■ 14.9626, 16.8950,
19.5215

142.0808,
154.5891, 173.1952

■ 8.8793, 10.1596,
11.8671

176.7012,
191.8077, 214.4701

■ 4.7190, 5.5049,
6.5318

216.5329,
234.5664, 261.8309

■ 2.1164, 2.5465,
3.0971

261.9411,

■ 0.6981, 0.8998,

283.2497, 315.6963

1.1444

313.2913,
338.2420, 376.4847

■ 0.0000, 0.0000,
0.0000

■ 48.4044, 53.4287,
60.5849

■ 48.4044, 53.4287,
60.5849

■ 44.2050, 51.2653,
60.3876

■ 53.2561, 55.9312,
60.8149

■ 40.6257, 49.4201,
60.2183

■ 58.7812, 58.7795,
61.0753

■ 37.6385, 47.8802,
60.0766

■ 65.0060, 61.9885,
61.3685

■ 35.2115, 46.6291,
59.9612

■ 71.2869, 65.2263,
61.6643

■ 33.3098, 45.6488,
59.8703

■ 71.2872, 65.2265,
61.6662

■ 31.8947, 44.9193,
59.8023

■ 71.2876, 65.2266,
61.6680

■ 30.9219, 44.4179,
59.7549

■ 71.2879, 65.2268,
61.6699

■ 30.3393, 44.1176,
59.7258

■ 71.2883, 65.2269,
61.6718

■ 30.0510, 43.9690,
59.7104

■ 71.2886, 65.2270,
61.6736

Harmonies

Analogous

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



48.3159, 53.4287, 56.7853



48.4044, 53.4287, 60.5849



49.1235, 53.4287, 63.8699

Triad

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



48.4044, 53.4287, 60.5849



52.7339, 53.4287, 63.1119



51.2730, 53.4287, 51.2849

Complementary

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



48.4044, 53.4287, 60.5849



46.9842, 46.9269, 48.7034

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.



52.4782, 53.4287, 52.8286



48.4044, 53.4287, 60.5849



53.3314, 53.4287, 59.5867

Square

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



48.4044, 53.4287, 60.5849



51.6171, 53.4287, 65.3722



53.2370, 53.4287, 55.8294



49.9567, 53.4287, 51.5260

Rectangle

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



48.4044, 53.4287, 60.5849



49.8708, 53.4287, 65.2744



53.2370, 53.4287, 55.8294



51.7050, 53.4287, 51.6096

Sweetspot

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



48.4059, 53.4309, 60.5861



92.2911, 98.5778, 108.7699



46.4365, 52.6516, 49.8357



19.6003, 21.0204, 23.2740



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.



48.4059, 53.4309, 60.5861



84.6738, 94.6510, 108.4104



46.3838, 49.3861, 59.9137



10.9467, 12.0676, 13.6694



19.7592, 28.9161, 39.2722



0.9356, 1.3692, 1.8597

Inverse Universe

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



46.9842, 46.9269, 48.7034



81.5128, 80.1904, 81.9913



48.8730, 50.7051, 49.3316



10.6340, 10.6370, 11.0558



15.1454, 7.8077, 0.7095



0.7172, 0.3697, 0.0337

Previews

White Background



This preview shows how the XYZ color 48.4044, 53.4287, 60.5849 looks on a white background.

Color Contrast Check

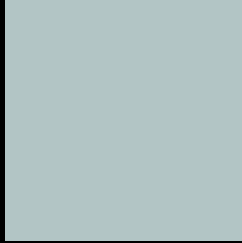
Large Text (above 18pt) WCAG AA × Fail

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 48.4044, 53.4287, 60.5849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

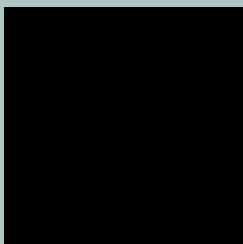
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

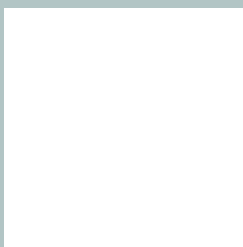
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.4044, 53.4287, 60.5849

Background



This preview shows how black text looks on a background with the XYZ color 48.4044, 53.4287, 60.5849.

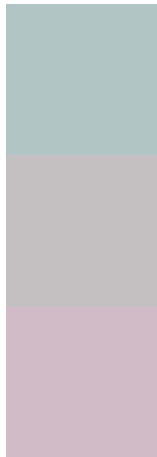


This preview shows how white text looks on a background with the XYZ color 48.4044, 53.4287,

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

48.4044, 53.4287, 60.5849

Protanopia

51.3522, 53.3301, 58.6261

Deuteranopia

54.3736, 53.2195, 61.4394



Tritanopia

49.9704, 53.3867, 68.6437

Trichromacy



Original Color

48.4044, 53.4287, 60.5849

Protanomaly

50.1284, 53.3425, 59.2838

Deuteranomaly

52.1125, 53.3446, 60.9760

Tritanomaly

49.3498, 53.4713, 65.4776

Monochromacy



Original Color

48.4044, 53.4287, 60.5849

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

48.9453, 52.4293, 57.9922

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4044, 53.4287, 60.5849 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(178, 197, 197)` looks like.

```
.text, #text, p{  
    color:rgb(178, 197, 197)  
}
```

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(178, 197, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 197, 197) }
```

Border

The CSS property to change the border of an element to XYZ 48.4044, 53.4287, 60.5849 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(178, 197, 197) }
```


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

```
.border{ border-color:rgb(178, 197, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 197, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 197, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 197, 197);  
box-shadow:4px 4px 4px 4px rgb(178, 197,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4044, 53.4287, 60.5849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 197, 197) }
```

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

```
.background{ background-color: rgb(178,  
197, 197) }
```

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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