

Converting Colors

XYZ(48.5370, 51.4949, 56.6723)

Have a look what the booklet for
XYZ(48.5370, 51.4949, 56.6723)
contains.

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Color

**XYZ(48.5283, 51.5880,
56.6900)**

Conversions

Conversions Part 1

Format	Color
Hex	BBBFBF
RGB	187, 191, 191
RGB Percent	73%, 75%, 75%
CMY	0.2667, 0.2510, 0.2510
CMYK	0.02, 0.00, 0.00, 0.25
HSL	180°, 3%, 74%
HSV	180°, 2%, 75%
XYZ	48.5283, 51.5880, 56.6900
YIQ	189.8040, -2.3840, -0.8480

Conversions

Conversions Part 2

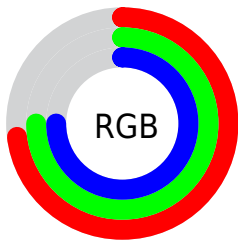
Format	Color
RYB	187, 189, 191
Decimal	12304319
CIELab	77.03, -1.38, -0.49
CIELCh	77, 1.466, 199.654
Yxy	51.5880, 0.3095, 0.3290
Android (android.graphics.Color)	4290494399 (0xFFBBBF)
YUV	189.8040, 0.5896, -2.4591
Hunter-Lab	71.8248, -5.0901, 3.4808

Details

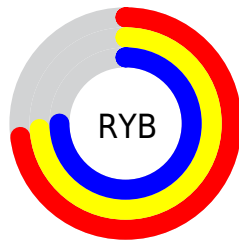
The XYZ color **48.5283, 51.5880, 56.6900** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **48.2277, 50.2062, 54.1651**, and the grayscale version is **48.8297, 51.3727, 55.9448**.

A 20% lighter version of the original color is **87.0114, 92.2916, 101.2238**, and **23.5074, 25.0803, 27.6468** is the 20% darker color. If you saturate the color by 10%, you get **44.1616, 49.3385, 56.4780**, and if you desaturate by 10%, it is **53.5195, 54.1623, 56.9333**.

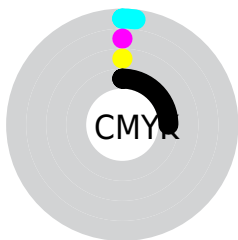
Distribution



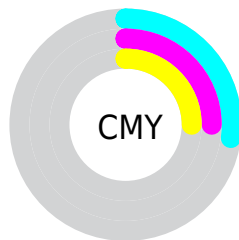
- Red (73%)
- Green (75%)
- Blue (75%)



- Red (73%)
- Yellow (74%)
- Blue (75%)



- Cyan (2%)
- Magenta (0%)
- Yellow (0%)
- Black (25%)



- Cyan (27%)
- Magenta (25%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.5283, 51.5880, 56.6900 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 48.5283, 51.5880, 56.6900 by changing the saturation by 10% instead.

■ 48.5283, 51.5880,
56.6900

■ 48.5283, 51.5880,
56.6900

371.4302,
392.8440, 429.7478

■ 34.4584, 36.6768,
40.3487

■ 87.1954, 92.5233,
101.5086

■ 23.4106, 24.9573,
27.4947

112.5234,
119.3163, 130.8229

■ 15.0193, 16.0453,
17.7094

142.3348,
150.8385, 165.2987

■ 8.9193, 9.5562,
10.5743

176.9949,
187.4745, 205.3544

■ 4.7453, 5.1057,
5.6708

216.8691,
229.6087, 251.4086

■ 2.1318, 2.3094,
2.5804

262.3229,

■ 0.7064, 0.7787,

277.6254, 303.8799

0.8823

313.7215,
331.9090, 363.1868

■ 0.0000, 0.0000,
0.0000

■ 48.5283, 51.5880,
56.6900

■ 48.5283, 51.5880,
56.6900

■ 44.1616, 49.3385,
56.4780

■ 53.5195, 54.1623,
56.9333

■ 40.3906, 47.3947,
56.2929

■ 59.1537, 57.0667,
57.2057

■ 37.1909, 45.7454,
56.1344

■ 65.4543, 60.3145,
57.5092

■ 34.5345, 44.3762,
56.0014

■ 69.2826, 62.2879,
57.6971

■ 32.3914, 43.2715,
55.8925

■ 69.2842, 62.2886,
57.7058

■ 30.7282, 42.4143,
55.8060

■ 69.2859, 62.2892,
57.7146

■ 29.5082, 41.7856,
55.7402

■ 69.2876, 62.2899,
57.7234

■ 28.6888, 41.3634,
55.6932

■ 69.2892, 62.2906,
57.7321

■ 28.2195, 41.1216,
55.6625

■ 69.2909, 62.2912,
57.7409

Harmonies

Analogous

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



48.5059, 51.5880, 55.8945



48.5283, 51.5880, 56.6900



48.6856, 51.5880, 57.3522

Triad

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



48.5283, 51.5880, 56.6900



49.4437, 51.5880, 57.1733



49.1295, 51.5880, 54.6695

Complementary

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



48.5283, 51.5880, 56.6900



48.2277, 50.2062, 54.1651

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.



49.3817, 51.5880, 55.0053



48.5283, 51.5880, 56.6900



49.5636, 51.5880, 56.4475

Square

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



48.5283, 51.5880, 56.6900



49.2139, 51.5880, 57.6330



49.5409, 51.5880, 55.6543



48.8523, 51.5880, 54.7330

Rectangle

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



48.5283, 51.5880, 56.6900



48.8462, 51.5880, 57.6266



49.5409, 51.5880, 55.6543



49.2200, 51.5880, 54.7393

Sweetspot

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



48.5298, 51.5902, 56.6911



87.8233, 92.8630, 101.5731



48.1118, 51.4249, 54.4047



19.2947, 20.3967, 22.3050



92.9021, 97.7402, 106.4391



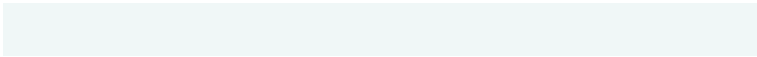
19.4759, 20.4902, 22.3138

Same Dimension

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



48.5298, 51.5902, 56.6911



86.1208, 91.9854, 101.4903



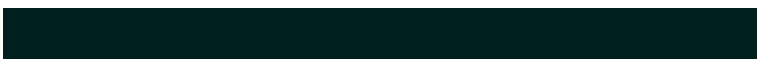
48.1109, 50.7519, 56.5532



10.3426, 11.0849, 12.2660



18.4133, 26.9556, 36.5689



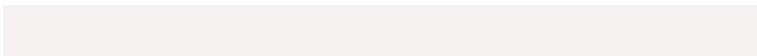
0.7214, 1.0559, 1.4330

Inverse Universe

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



48.2277, 50.2062, 54.1651



85.3392, 88.4040, 94.9536



48.6407, 51.0326, 54.3011



10.2272, 10.5562, 11.3011



14.1209, 7.2795, 0.6644



0.5532, 0.2852, 0.0266

Previews

White Background



This preview shows how the XYZ color 48.5283, 51.5880, 56.6900 looks on a white background.

Color Contrast Check

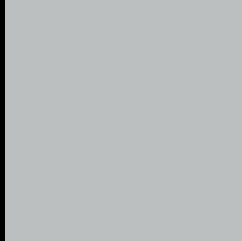
Large Text (above 18pt) WCAG AA × Fail

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 48.5283, 51.5880, 56.6900 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

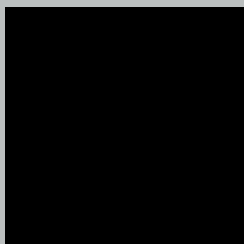
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

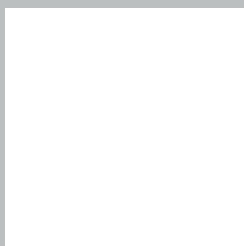
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.5283, 51.5880, 56.6900

Background



This preview shows how black text looks on a background with the XYZ color 48.5283, 51.5880, 56.6900.

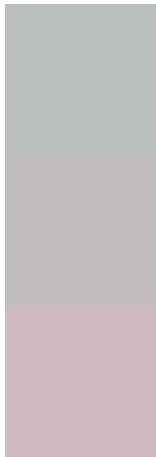


This preview shows how white text looks on a background with the XYZ color 48.5283, 51.5880,

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

48.5283, 51.5880, 56.6900

Protanopia

49.4842, 51.4504, 56.0380

Deuteranopia

52.3870, 51.3521, 57.0200



Tritanopia

50.0829, 51.5736, 64.4418

Trichromacy



Original Color

48.5283, 51.5880, 56.6900

Protanomaly

49.1936, 51.6210, 56.0863

Deuteranomaly

51.1042, 51.6258, 57.1405

Tritanomaly

49.4613, 51.6418, 61.3938

Monochromacy



Original Color

48.5283, 51.5880, 56.6900

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.6940, 51.3634, 56.0629

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5283, 51.5880, 56.6900 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(187, 191, 191)` looks like.

```
.text, #text, p{  
    color:rgb(187, 191, 191)  
}
```

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(187, 191, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 191, 191) }
```

Border

The CSS property to change the border of an element to XYZ 48.5283, 51.5880, 56.6900 is called "border". The border property can be set on classes, ids or directly on the HTML element.

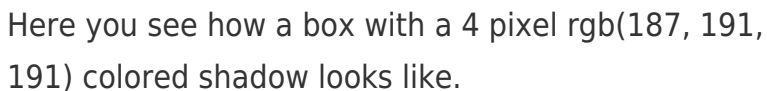
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 191, 191) }
```


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

```
.border{ border-color:rgb(187, 191, 191) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 191, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 191, 191); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 191, 191); box-shadow:4px 4px 4px 4px rgb(187, 191, 191) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5283, 51.5880, 56.6900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 191, 191) }
```

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

```
.background{ background-color: rgb(187,  
191, 191) }
```

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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