

Converting Colors

XYZ(47.7879, 51.2835, 56.8146)

Have a look what the booklet for
XYZ(47.7879, 51.2835, 56.8146)
contains.

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Color

**XYZ(47.8019, 51.2135,
56.6560)**

Conversions

Conversions Part 1

Format	Color
Hex	B8BFBF
RGB	184, 191, 191
RGB Percent	72%, 75%, 75%
CMY	0.2784, 0.2510, 0.2510
CMYK	0.04, 0.00, 0.00, 0.25
HSL	180°, 5%, 74%
HSV	180°, 4%, 75%
XYZ	47.8019, 51.2135, 56.6560
YIQ	188.9070, -4.1720, -1.4840

Conversions

Conversions Part 2

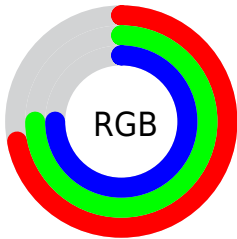
Format	Color
RYB	184, 188, 191
Decimal	12107711
CIELab	76.81, -2.41, -0.85
CIElCh	77, 2.557, 199.413
Yxy	51.2135, 0.3071, 0.3290
Android (android.graphics.Color)	4290297791 (0xFFB8BFBF)
YUV	188.9070, 1.0318, -4.3034
Hunter-Lab	71.5636, -6.0048, 3.1554

Details

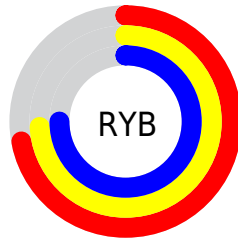
The XYZ color **47.8019, 51.2135, 56.6560** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.2799, 48.8193, 52.2809**, and the grayscale version is **48.3138, 50.8299, 55.3537**.

A 20% lighter version of the original color is **85.9844, 91.7622, 101.1757**, and **23.0360, 24.8372, 27.6247** is the 20% darker color. If you saturate the color by 10%, you get **43.5314, 49.0135, 56.4525**, and if you desaturate by 10%, it is **52.6931, 53.7363, 56.8907**.

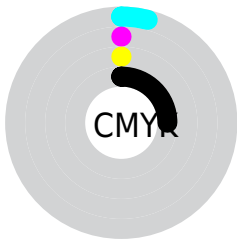
Distribution



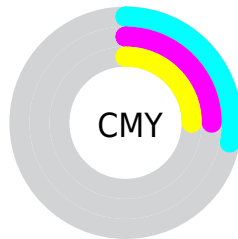
- Red (72%)
- Green (75%)
- Blue (75%)



- Red (72%)
- Yellow (74%)
- Blue (75%)



- Cyan (4%)
- Magenta (0%)
- Yellow (0%)
- Black (25%)



- Cyan (28%)
- Magenta (25%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.8019, 51.2135, 56.6560 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 47.8019, 51.2135, 56.6560 by changing the saturation by 10% instead.

■ 47.8019, 51.2135,
56.6560

■ 47.8019, 51.2135,
56.6560

368.6020,
391.3927, 429.6166

■ 33.8806, 36.3785,
40.3216

■ 86.1209, 91.9703,
101.4584

■ 22.9644, 24.7267,
27.4737

111.2493,
118.6609, 130.7635

■ 14.6877, 15.8736,
17.6937

140.8441,
150.0722, 165.2293

■ 8.6854, 9.4347,
10.5632

175.2707,
186.5886, 205.2742

■ 4.5920, 5.0258,
5.6635

214.8944,
228.5944, 251.3169

■ 2.0422, 2.2624,
2.5761

260.0807,

■ 0.6575, 0.7537,

276.4741, 303.7758

0.8801

311.1948,
330.6121, 363.0695

■ 0.0000, 0.0000,
0.0000

■ 47.8019, 51.2135,
56.6560

■ 47.8019, 51.2135,
56.6560

■ 43.5314, 49.0135,
56.4525

■ 52.6931, 53.7363,
56.8907

■ 39.8527, 47.1172,
56.2756

■ 58.2239, 56.5874,
57.1543

■ 36.7409, 45.5131,
56.1252

■ 64.4176, 59.7803,
57.4489

■ 34.1680, 44.1868,
56.0001

■ 69.2795, 62.2866,
57.6811

■ 32.1033, 43.1225,
55.8987

■ 69.2804, 62.2870,
57.6859

■ 30.5131, 42.3028,
55.8196

■ 69.2813, 62.2874,
57.6907

■ 29.3597, 41.7084,
55.7608

■ 69.2822, 62.2877,
57.6955

■ 28.5997, 41.3167,
55.7205

■ 69.2831, 62.2881,
57.7002

■ 28.1807, 41.1008,
55.6962

■ 69.2841, 62.2884,
57.7050

Harmonies

Analogous

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



47.7652, 51.2135, 55.2731



47.8019, 51.2135, 56.6560



48.0722, 51.2135, 57.8175

Triad

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



47.8019, 51.2135, 56.6560



49.3892, 51.2135, 57.5200



48.8486, 51.2135, 53.1763

Complementary

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



47.8019, 51.2135, 56.6560



47.2799, 48.8193, 52.2809

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.



49.2867, 51.2135, 53.7573



47.8019, 51.2135, 56.6560



49.6001, 51.2135, 56.2553

Square

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



47.8019, 51.2135, 56.6560



48.9878, 51.2135, 58.3221



49.5625, 51.2135, 54.8790



48.3673, 51.2135, 53.2795

Rectangle

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



47.8019, 51.2135, 56.6560



48.3494, 51.2135, 58.3028



49.5625, 51.2135, 54.8790



49.0058, 51.2135, 53.2977

Sweetspot

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



47.8034, 51.2157, 56.6571



87.8234, 92.8630, 101.5738



47.0791, 50.9292, 52.6971



19.2947, 20.3968, 22.3051



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.



47.8034, 51.2157, 56.6571



85.2873, 91.5557, 101.4526



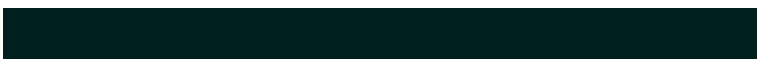
47.0740, 49.7564, 56.4156



10.2507, 11.0375, 12.2619



18.4182, 26.9576, 36.5947



0.7215, 1.0560, 1.4337

Inverse Universe

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



47.2799, 48.8193, 52.2809



84.2511, 86.8120, 92.7897



47.9912, 50.2424, 52.5164



10.1073, 10.3807, 11.0625



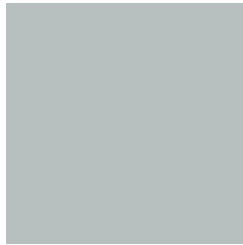
14.1206, 7.2794, 0.6628



0.5532, 0.2852, 0.0263

Previews

White Background



This preview shows how the XYZ color 47.8019, 51.2135, 56.6560 looks on a white background.

Color Contrast Check

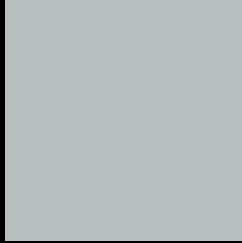
Large Text (above 18pt) WCAG AA × Fail

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 47.8019, 51.2135, 56.6560 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

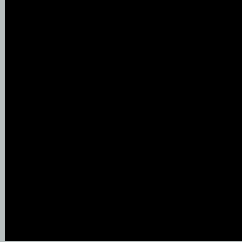
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

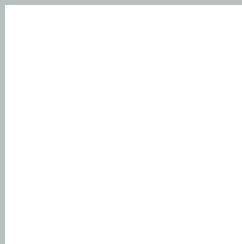
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.8019, 51.2135, 56.6560

Background



This preview shows how black text looks on a background with the XYZ color 47.8019, 51.2135, 56.6560.



This preview shows how white text looks on a background with the XYZ color 47.8019, 51.2135,

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

47.8019, 51.2135, 56.6560

Protanopia

49.2698, 51.0216, 55.9666

Deuteranopia

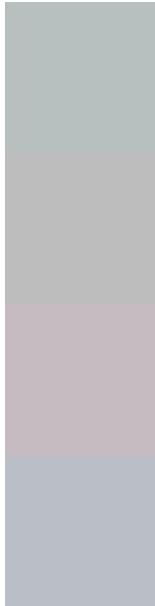
52.1085, 51.2086, 57.0070



Tritanopia

49.3464, 51.1939, 64.4073

Trichromacy



Original Color

47.8019, 51.2135, 56.6560

Protanomaly

48.7271, 51.0600, 56.0026

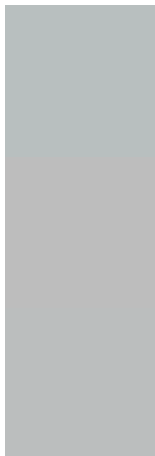
Deuteranomaly

50.5735, 51.3522, 57.1156

Tritanomaly

48.7298, 51.2647, 61.3596

Monochromacy



Original Color

47.8019, 51.2135, 56.6560

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.2012, 51.1094, 56.0398

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8019, 51.2135, 56.6560 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(184, 191, 191)` looks like.

```
.text, #text, p{  
    color:rgb(184, 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(184, 191, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 191, 191) }
```

Border

The CSS property to change the border of an element to XYZ 47.8019, 51.2135, 56.6560 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(184, 191, 191) }
```


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

```
.border{ border-color:rgb(184, 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(184, 191, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 191, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 191, 191);  
box-shadow:4px 4px 4px 4px rgb(184, 191,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8019, 51.2135, 56.6560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 191, 191) }
```

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

```
.background{ background-color: rgb(184,  
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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