

Converting Colors

XYZ(46.6037, 51.2500, 56.7212)

Have a look what the booklet for
XYZ(46.6037, 51.2500, 56.7212)
contains.

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Color

**XYZ(46.6054, 51.2486,
56.7258)**

Conversions

Conversions Part 1

Format	Color
Hex	B1C1BF
RGB	177, 193, 191
RGB Percent	69%, 76%, 75%
CMY	0.3059, 0.2431, 0.2510
CMYK	0.08, 0.00, 0.01, 0.24
HSL	172°, 11%, 73%
HSV	172°, 8%, 76%
XYZ	46.6054, 51.2486, 56.7258
YIQ	187.9880, -8.8940, -4.0140

Conversions

Conversions Part 2

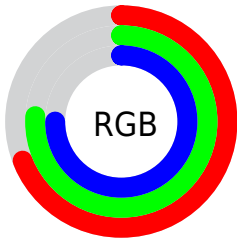
Format	Color
RYB	177, 186, 193
Decimal	11649471
CIELab	76.83, -5.85, -0.88
CIElCh	77, 5.914, 188.551
Yxy	51.2486, 0.3015, 0.3315
Android (android.graphics.Color)	4289839551 (0xFFB1C1BF)
YUV	187.9880, 1.4849, -9.6365
Hunter-Lab	71.5881, -9.0719, 3.1308

Details

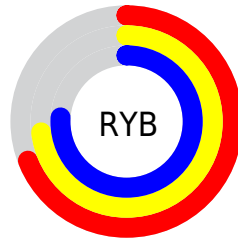
The XYZ color **46.6054, 51.2486, 56.7258** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **45.8530, 46.0378, 49.1197**, and the grayscale version is **47.7898, 50.2786, 54.7534**.

A 20% lighter version of the original color is **84.2685, 91.7904, 101.2716**, and **22.2777, 24.8762, 27.6722** is the 20% darker color. If you saturate the color by 10%, you get **42.2531, 49.0368, 55.1467**, and if you desaturate by 10%, it is **51.5868, 53.7870, 58.3593**.

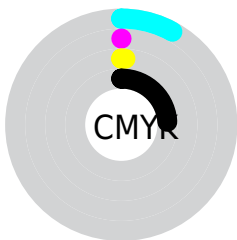
Distribution



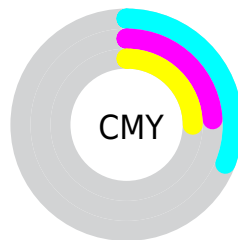
- Red (69%)
- Green (76%)
- Blue (75%)



- Red (69%)
- Yellow (73%)
- Blue (76%)



- Cyan (8%)
- Magenta (0%)
- Yellow (1%)
- Black (24%)



- Cyan (31%)
- Magenta (24%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6054, 51.2486, 56.7258 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 46.6054, 51.2486, 56.7258 by changing the saturation by 10% instead.

■ 46.6054, 51.2486,
56.7258

■ 46.6054, 51.2486,
56.7258

363.9125,
391.5289, 429.8860

■ 32.9305, 36.4065,
40.3772

■ 84.3466, 92.0221,
101.5613

■ 22.2322, 24.7483,
27.5168

109.1436,
118.7224, 130.8854

■ 14.1451, 15.8896,
17.7259

138.3787,
150.1441, 165.3717

■ 8.3041, 9.4461,
10.5859

172.4172,
186.6717, 205.4388

■ 4.3436, 5.0333,
5.6785

211.6245,
228.6896, 251.5053

■ 1.8983, 2.2668,
2.5850

256.3659,

■ 0.5758, 0.7561,

276.5821, 303.9896

0.8847

307.0068,
330.7338, 363.3103

■ 0.0000, 0.0000,
0.0000

■ 46.6054, 51.2486,
56.7258

■ 46.6054, 51.2486,
56.7258

■ 42.2531, 49.0368,
55.1467

■ 51.5868, 53.7870,
58.3593

■ 38.4996, 47.1317,
53.6174

■ 57.2173, 56.6582,
60.0452

■ 35.3184, 45.5213,
52.1375

■ 63.5215, 59.8761,
61.7857

■ 32.6796, 44.1899,
50.7056

■ 70.5215, 63.4523,
63.5820

■ 30.5504, 43.1207,
49.3199

■ 71.0999, 63.7174,
65.1010

■ 28.8944, 42.2950,
47.9788

■ 71.3903, 63.8336,
66.6301

■ 27.6705, 41.6915,
46.6801

■ 71.6851, 63.9515,
68.1828

■ 26.8304, 41.2854,
45.4215

■ 71.9845, 64.0713,
69.7594

■ 26.2981, 41.0375,
44.1993

■ 72.2885, 64.1928,
71.3599

Harmonies

Analogous

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



46.7275, 51.2486, 53.5694



46.6054, 51.2486, 56.7258



47.0405, 51.2486, 59.7455

Triad

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



46.6054, 51.2486, 56.7258



50.0688, 51.2486, 60.7799



49.5044, 51.2486, 50.2393

Complementary

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



46.6054, 51.2486, 56.7258



45.8530, 46.0378, 49.1197

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.



50.4191, 51.2486, 52.0340



46.6054, 51.2486, 56.7258



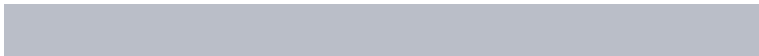
50.7484, 51.2486, 58.0938

Square

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



46.6054, 51.2486, 56.7258



49.0321, 51.2486, 62.1444



50.8776, 51.2486, 54.8863



48.3898, 51.2486, 49.9047

Rectangle

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



46.6054, 51.2486, 56.7258



47.5920, 51.2486, 61.2463



50.8776, 51.2486, 54.8863



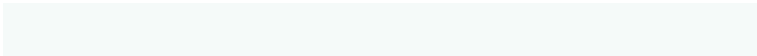
49.8459, 51.2486, 50.6884

Sweetspot

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



46.6069, 51.2508, 56.7269



88.9183, 94.5606, 103.4127



45.6286, 50.9160, 49.0187



19.0959, 20.2966, 22.1919



92.9021, 97.7402, 106.4391



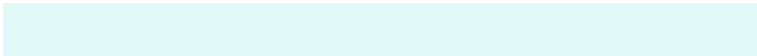
19.4759, 20.4902, 22.3138

Same Dimension

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



46.6069, 51.2508, 56.7269



81.9312, 91.0035, 101.0587



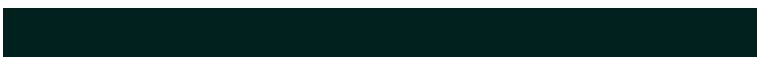
45.5573, 48.7964, 57.4721



10.3125, 11.4061, 12.6490



17.4575, 27.2771, 29.3662



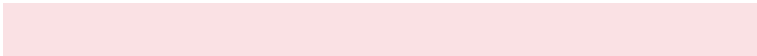
0.7698, 1.1848, 1.3506

Inverse Universe

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



45.8530, 46.0378, 49.1197



80.2982, 79.7108, 84.5799



46.8359, 48.3255, 48.4551



10.1234, 10.0980, 10.7402



14.7547, 7.5916, 1.3545



0.6547, 0.3349, 0.1493

Previews

White Background



This preview shows how the XYZ color 46.6054, 51.2486, 56.7258 looks on a white background.

Color Contrast Check

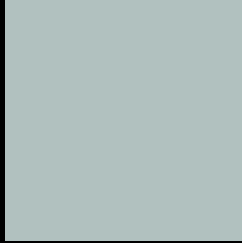
Large Text (above 18pt) WCAG AA × Fail

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 46.6054, 51.2486, 56.7258 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

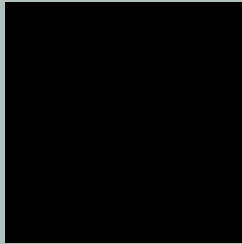
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

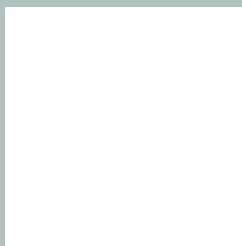
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.6054, 51.2486, 56.7258

Background



This preview shows how black text looks on a background with the XYZ color 46.6054, 51.2486, 56.7258.



This preview shows how white text looks on a background with the XYZ color 46.6054, 51.2486,

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

46.6054, 51.2486, 56.7258

Protanopia

49.0526, 50.9347, 54.8230

Deuteranopia

52.2197, 51.2530, 57.5926



Tritanopia

48.5938, 51.4211, 65.7566

Trichromacy



Original Color

46.6054, 51.2486, 56.7258

Protanomaly

48.0923, 51.0658, 55.4661

Deuteranomaly

49.7904, 50.9485, 57.0790

Tritanomaly

47.9827, 51.5000, 62.6699

Monochromacy



Original Color

46.6054, 51.2486, 56.7258

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.3659, 50.6914, 55.4321

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6054, 51.2486, 56.7258 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(177, 193, 191)` looks like.

```
.text, #text, p{  
    color:rgb(177, 193, 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(177, 193, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 193, 191) }
```

Border

The CSS property to change the border of an element to XYZ 46.6054, 51.2486, 56.7258 is called "border". The border property can be set on classes, ids or directly on the HTML element.

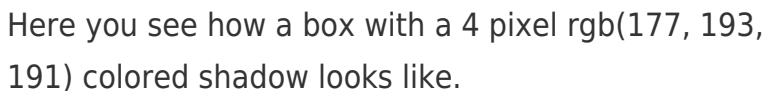
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 193, 191) }
```


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

```
.border{ border-color:rgb(177, 193, 191) }
```

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



Here you see how a box with a 4 pixel `rgb(177, 193, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 193, 191); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 193, 191); box-shadow:4px 4px 4px 4px rgb(177, 193, 191) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6054, 51.2486, 56.7258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 193, 191) }
```

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

```
.background{ background-color: rgb(177,  
193, 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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