

Converting Colors

XYZ(46.6551, 51.1309, 57.6976)

Have a look what the booklet for
XYZ(46.6551, 51.1309, 57.6976)
contains.

XYZ(46.8271, 51.3373, 57.8931)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(46.8271, 51.3373,
57.8931)**

Conversions

Conversions Part 1

Format	Color
Hex	B1C1C1
RGB	177, 193, 193
RGB Percent	69%, 76%, 76%
CMY	0.3059, 0.2431, 0.2431
CMYK	0.08, 0.00, 0.00, 0.24
HSL	180°, 11%, 73%
HSV	180°, 8%, 76%
XYZ	46.8271, 51.3373, 57.8931
YIQ	188.2160, -9.5360, -3.3920

Conversions

Conversions Part 2

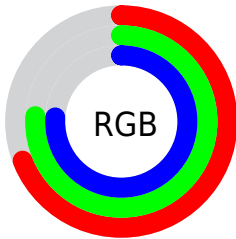
Format	Color
RYB	177, 185, 193
Decimal	11649473
CIELab	76.88, -5.45, -1.88
CIELCh	77, 5.771, 199.048
Yxy	51.3373, 0.3001, 0.3290
Android (android.graphics.Color)	4289839553 (0xFFB1C1C1)
YUV	188.2160, 2.3585, -9.8364
Hunter-Lab	71.6501, -8.7284, 2.2488

Details

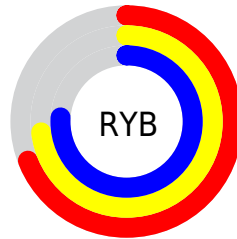
The XYZ color **46.8271, 51.3373, 57.8931** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **45.6522, 45.9575, 48.0620**, and the grayscale version is **47.9148, 50.4101, 54.8966**.

A 20% lighter version of the original color is **84.5788, 91.9146, 102.9060**, and **22.4239, 24.9347, 28.4420** is the 20% darker color. If you saturate the color by 10%, you get **42.7382, 49.2308, 57.7007**, and if you desaturate by 10%, it is **51.5407, 53.7686, 58.1168**.

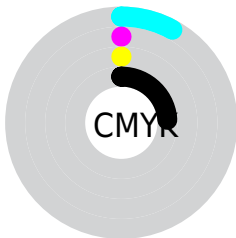
Distribution



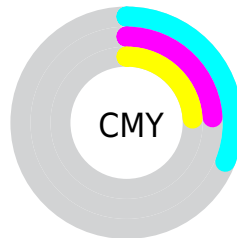
- Red (69%)
- Green (76%)
- Blue (76%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.8271, 51.3373, 57.8931 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 46.8271, 51.3373, 57.8931 by changing the saturation by 10% instead.

■ 46.8271, 51.3373,
57.8931

■ 46.8271, 51.3373,
57.8931

364.7844,
391.8728, 434.3746

■ 33.1064, 36.4771,
41.3086

■ 84.6758, 92.1532,
103.2804

■ 22.3676, 24.8029,
28.2388

109.5345,
118.8776, 132.9203

■ 14.2453, 15.9303,
18.2651

138.8365,
150.3257, 167.7490

■ 8.3743, 9.4748,
10.9691

172.9472,
186.8816, 208.1852

■ 4.3892, 5.0522,
5.9321

212.2320,
228.9299, 254.6473

■ 1.9246, 2.2779,
2.7357

257.0563,

■ 0.5911, 0.7620,

276.8550, 307.5538

0.9613

307.7853,
331.0412, 367.3234

■ 0.0000, 0.0000,
0.0000

■ 46.8271, 51.3373,
57.8931

■ 46.8271, 51.3373,
57.8931

■ 42.7382, 49.2308,
57.7007

■ 51.5407, 53.7686,
58.1168

■ 39.2436, 47.4294,
57.5351

■ 56.8991, 56.5309,
58.3697

■ 36.3171, 45.9207,
57.3961

■ 62.9268, 59.6383,
58.6539

■ 33.9286, 44.6894,
57.2822

■ 69.6459, 63.1020,
58.9704

■ 32.0453, 43.7187,
57.1920

■ 69.9387, 63.2529,
58.9862

■ 30.6311, 42.9896,
57.1238

■ 69.9391, 63.2531,
58.9882

■ 29.6446, 42.4811,
57.0755

■ 69.9395, 63.2533,
58.9903

■ 29.0377, 42.1683,
57.0450

■ 69.9399, 63.2534,
58.9924

■ 28.7344, 42.0120,
57.0288

■ 69.9403, 63.2536,
58.9945

Harmonies

Analogous

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



46.7521, 51.3373, 54.7574



46.8271, 51.3373, 57.8931



47.4246, 51.3373, 60.5870

Triad

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



46.8271, 51.3373, 57.8931



50.4056, 51.3373, 59.9526



49.1965, 51.3373, 50.1721

Complementary

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



46.8271, 51.3373, 57.8931



45.6522, 45.9575, 48.0620

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.



50.1907, 51.3373, 51.4566



46.8271, 51.3373, 57.8931



50.8956, 51.3373, 57.0535

Square

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



46.8271, 51.3373, 57.8931



49.4865, 51.3373, 61.8065



50.8164, 51.3373, 53.9485



48.1092, 51.3373, 50.3778

Rectangle

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



46.8271, 51.3373, 57.8931



48.0439, 51.3373, 61.7331



50.8164, 51.3373, 53.9485



49.5530, 51.3373, 50.4419

Sweetspot

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



46.8286, 51.3395, 57.8942



89.0160, 94.5997, 103.9275



45.1996, 50.6949, 48.9987



19.1158, 20.3045, 22.2968



92.9021, 97.7402, 106.4391



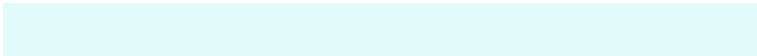
19.4759, 20.4902, 22.3138

Same Dimension

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



46.8286, 51.3395, 57.8942



82.4167, 91.1977, 103.6156



45.1634, 48.0087, 57.3408



10.3685, 11.4284, 12.9438



19.0834, 27.9274, 37.9277



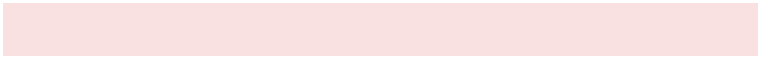
0.8246, 1.2067, 1.6389

Inverse Universe

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



45.6522, 45.9575, 48.0620



79.8684, 79.5389, 82.3161



47.2233, 49.1001, 48.5842



10.0733, 10.0779, 10.4766



14.6277, 7.5408, 0.6854



0.6320, 0.3258, 0.0298

Previews

White Background



This preview shows how the XYZ color 46.8271, 51.3373, 57.8931 looks on a white background.

Color Contrast Check

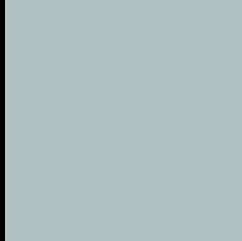
Large Text (above 18pt) WCAG AA × Fail

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 46.8271, 51.3373, 57.8931 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

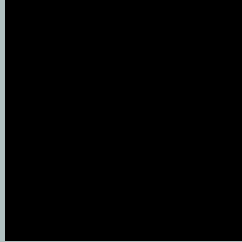
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

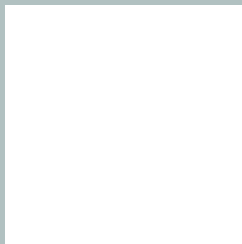
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.8271, 51.3373, 57.8931

Background



This preview shows how black text looks on a background with the XYZ color 46.8271, 51.3373, 57.8931.

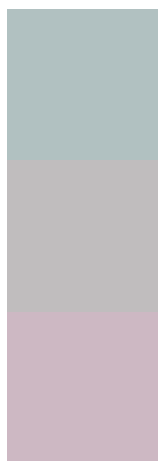


This preview shows how white text looks on a background with the XYZ color 46.8271, 51.3373,

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

46.8271, 51.3373, 57.8931

Protanopia

49.2301, 51.3194, 56.0261

Deuteranopia

52.1677, 51.2002, 58.7629



Tritanopia

48.3618, 51.3015, 65.7458

Trichromacy



Original Color

46.8271, 51.3373, 57.8931

Protanomaly

48.3109, 51.1533, 56.6175

Deuteranomaly

50.0136, 51.0378, 58.2542

Tritanomaly

47.7523, 51.3813, 62.6591

Monochromacy



Original Color

46.8271, 51.3373, 57.8931

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.4749, 50.7350, 56.0058

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8271, 51.3373, 57.8931 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, 193)` looks like.

```
.text, #text, p{  
    color:rgb(177, 193, 193)  
}
```

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, 193) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 46.8271, 51.3373, 57.8931 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, 193) }
```


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

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

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, 193)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 46.8271, 51.3373, 57.8931 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, 193) }
```

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

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

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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