

Converting Colors

XYZ(45.0106, 46.8007, 55.4872)

Have a look what the booklet for
XYZ(45.0106, 46.8007, 55.4872)
contains.

XYZ(44.8742, 46.5892, 55.3427)	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(44.8742, 46.5892,
55.3427)**

Conversions

Conversions Part 1

Format	Color
Hex	B5B5BE
RGB	181, 181, 190
RGB Percent	71%, 71%, 75%
CMY	0.2902, 0.2902, 0.2549
CMYK	0.05, 0.05, 0.00, 0.25
HSL	240°, 6%, 73%
HSV	240°, 5%, 75%
XYZ	44.8742, 46.5892, 55.3427
YIQ	182.0260, -2.8890, 2.7990

Conversions

Conversions Part 2

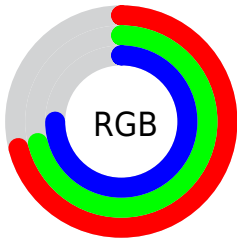
Format	Color
RYB	181, 181, 190
Decimal	11908542
CIELab	73.93, 1.72, -4.57
CIELCh	74, 4.880, 290.656
Yxy	46.5892, 0.3057, 0.3174
Android (android.graphics.Color)	4290098622 (0xFFB5B5BE)
YUV	182.0260, 3.9312, -0.8998
Hunter-Lab	68.2563, -2.0960, -0.2934

Details

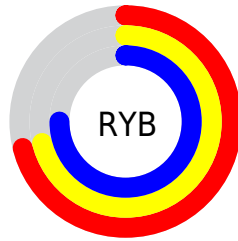
The XYZ color **44.8742, 46.5892, 55.3427** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.9893, 51.1098, 51.0527**, and the grayscale version is **44.4591, 46.7744, 50.9374**.

A 20% lighter version of the original color is **81.8438, 85.2267, 99.3255**, and **21.1366, 21.8337, 26.7672** is the 20% darker color. If you saturate the color by 10%, you get **37.1171, 37.2435, 53.9484**, and if you desaturate by 10%, it is **53.7682, 57.3052, 56.9430**.

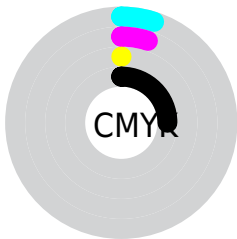
Distribution



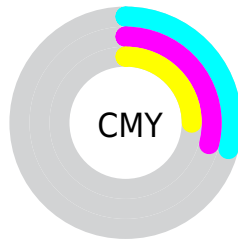
- Red (71%)
- Green (71%)
- Blue (75%)



- Red (71%)
- Yellow (71%)
- Blue (75%)



- Cyan (5%)
- Magenta (5%)
- Yellow (0%)
- Black (25%)



- Cyan (29%)
- Magenta (29%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.8742, 46.5892, 55.3427 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 44.8742, 46.5892, 55.3427 by changing the saturation by 10% instead.

■ 44.8742, 46.5892,
55.3427

■ 44.8742, 46.5892,
55.3427

357.0561,
373.1724, 424.5282

■ 31.5592, 32.7110,
39.2757

■ 81.7698, 85.1001,
99.5191

■ 21.1789, 21.9052,
26.6648

106.0812,
110.5016, 128.4655

■ 13.3681, 13.7872,
17.0914

134.7887,
140.5130, 162.5422

■ 7.7612, 7.9728,
10.1371

168.2577,
175.5187, 202.1677

■ 3.9931, 4.0776,
5.3831

206.8536,
215.9031, 247.7605

■ 1.6982, 1.7170,
2.4111

250.9417,

■ 0.4552, 0.4347,

262.0506, 299.7391

0.7925

300.8874,
314.3456, 358.5222

■ 0.0000, 0.0000,
0.0000

■ 44.8742, 46.5892,
55.3427

■ 44.8742, 46.5892,
55.3427

■ 37.1171, 37.2435,
53.9484

■ 53.7682, 57.3052,
56.9430

■ 30.4471, 29.2072,
52.7487

■ 63.8380, 69.4373,
58.7540

■ 24.8171, 22.4236,
51.7361

■ 75.1257, 83.0367,
60.7841

■ 20.1746, 16.8298,
50.9011

■ 86.2944, 96.4978,
62.7936

■ 16.4627, 12.3571,
50.2334

■ 13.6187, 8.9300,
49.7218

■ 11.5721, 6.4637,
49.3536

■ 10.2417, 4.8602,
49.1142

■ 9.5287, 4.0006,
48.9859

Harmonies

Analogous

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



44.0107, 46.5892, 55.6020



44.8742, 46.5892, 55.3427



45.5876, 46.5892, 53.8252

Triad

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



44.8742, 46.5892, 55.3427



45.3504, 46.5892, 47.1131



42.6519, 46.5892, 49.9540

Complementary

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



44.8742, 46.5892, 55.3427



47.9893, 51.1098, 51.0527

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.



43.0008, 46.5892, 47.7514



44.8742, 46.5892, 55.3427



44.5537, 46.5892, 46.1469

Square

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



44.8742, 46.5892, 55.3427



45.8650, 46.5892, 49.0569



43.6943, 46.5892, 46.3767



42.7351, 46.5892, 52.4361

Rectangle

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



44.8742, 46.5892, 55.3427



45.8784, 46.5892, 52.3308



43.6943, 46.5892, 46.3767



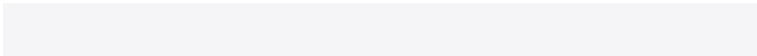
42.7223, 46.5892, 49.1577

Sweetspot

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



44.8755, 46.5912, 55.3437



87.0710, 91.3579, 101.3238



46.7481, 50.3626, 55.8871



19.1377, 20.0826, 22.2530



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.



44.8755, 46.5912, 55.3437



79.2882, 81.9809, 99.9241



45.9110, 47.1242, 55.3920



9.5056, 9.8148, 12.0657



6.1807, 2.4731, 32.5445



0.2422, 0.0970, 1.2748

Inverse Universe

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



46.1006, 47.3320, 50.4246



82.1200, 83.6935, 88.5533



46.9195, 50.5592, 51.0028



9.8719, 10.0364, 10.5947



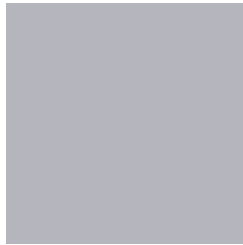
14.1205, 7.2794, 0.6622



0.5532, 0.2852, 0.0262

Previews

White Background



This preview shows how the XYZ color 44.8742, 46.5892, 55.3427 looks on a white background.

Color Contrast Check

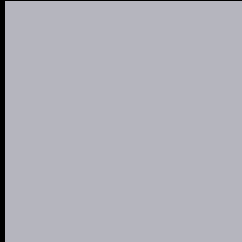
Large Text (above 18pt) WCAG AA × Fail

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 44.8742, 46.5892, 55.3427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

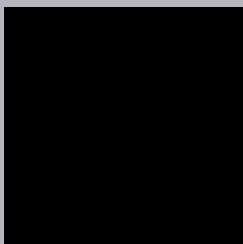
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

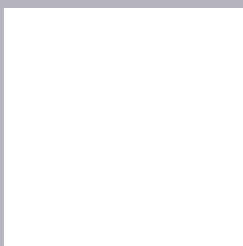
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 44.8742, 46.5892, 55.3427

Background



This preview shows how black text looks on a background with the XYZ color 44.8742, 46.5892, 55.3427.



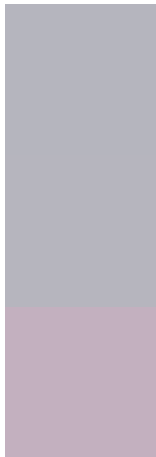
This preview shows how white text looks on a background with the XYZ color 44.8742, 46.5892,

55.3427.

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

44.8742, 46.5892, 55.3427

Protanopia

45.1095, 46.7105, 55.3537

Deuteranopia

47.4350, 46.4144, 55.7490



Tritanopia

45.4630, 46.5277, 58.2144

Trichromacy



Original Color

44.8742, 46.5892, 55.3427

Protanomaly

45.1095, 46.7105, 55.3537

Deuteranomaly

46.5596, 46.5495, 55.8212

Tritanomaly

45.2383, 46.4379, 57.0312

Monochromacy



Original Color

44.8742, 46.5892, 55.3427

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

44.7763, 46.9038, 52.5923

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.8742, 46.5892, 55.3427 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(181, 181, 190)` looks like.

```
.text, #text, p{  
    color:rgb(181, 181, 190)  
}
```

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(181, 181, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 181, 190) }
```

Border

The CSS property to change the border of an element to XYZ 44.8742, 46.5892, 55.3427 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(181, 181, 190) }
```


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

```
.border{ border-color:rgb(181, 181, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 181, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 181, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 181, 190);  
box-shadow:4px 4px 4px 4px rgb(181, 181,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 44.8742, 46.5892, 55.3427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 181, 190) }
```

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

```
.background{ background-color: rgb(181,  
181, 190) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor