

Converting Colors

XYZ(46.9633, 51.8085, 56.8587)

Have a look what the booklet for
XYZ(46.9633, 51.8085, 56.8587)
contains.

XYZ(46.8272, 51.6923, 56.7998)	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(46.8272, 51.6923,
56.7998)**

Conversions

Conversions Part 1

Format	Color
Hex	B1C2BF
RGB	177, 194, 191
RGB Percent	69%, 76%, 75%
CMY	0.3059, 0.2392, 0.2510
CMYK	0.09, 0.00, 0.02, 0.24
HSL	169°, 12%, 73%
HSV	169°, 9%, 76%
XYZ	46.8272, 51.6923, 56.7998
YIQ	188.5750, -9.1690, -4.5370

Conversions

Conversions Part 2

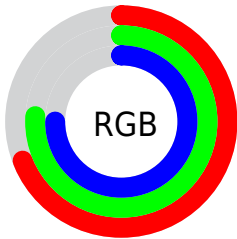
Format	Color
RYB	177, 186, 194
Decimal	11649727
CIELab	77.10, -6.38, -0.49
CIELCh	77, 6.394, 184.383
Yxy	51.6923, 0.3015, 0.3328
Android (android.graphics.Color)	4289839807 (0xFFB1C2BF)
YUV	188.5750, 1.1955, -10.1513
Hunter-Lab	71.8974, -9.5622, 3.4883

Details

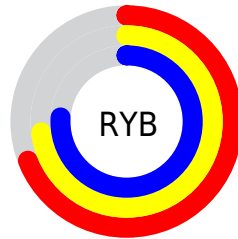
The XYZ color **46.8272, 51.6923, 56.7998** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.2103, 46.2102, 49.6662**, and the grayscale version is **48.1255, 50.6318, 55.1380**.

A 20% lighter version of the original color is **84.5784, 92.4103, 101.3749**, and **22.2777, 24.8762, 27.6722** is the 20% darker color. If you saturate the color by 10%, you get **42.3463, 49.4268, 54.6455**, and if you desaturate by 10%, it is **51.9481, 54.2896, 59.0322**.

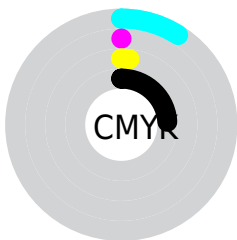
Distribution



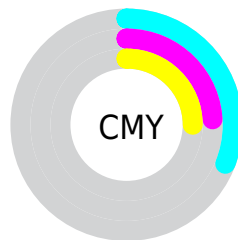
- Red (69%)
- Green (76%)
- Blue (75%)



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



- Cyan (9%)
- Magenta (0%)
- Yellow (2%)
- Black (24%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.8272, 51.6923, 56.7998 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 46.8272, 51.6923, 56.7998 by changing the saturation by 10% instead.

■ 46.8272, 51.6923,
56.7998

■ 46.8272, 51.6923,
56.7998

364.7848,
393.2476, 430.1714

■ 33.1064, 36.7599,
40.4362

■ 84.6759, 92.6773,
101.6704

■ 22.3676, 25.0216,
27.5625

109.5346,
119.4986, 131.0146

■ 14.2454, 16.0932,
17.7599

138.8367,
151.0518, 165.5227

■ 8.3744, 9.5901,
10.6101

172.9475,
187.7210, 205.6133

■ 4.3892, 5.1280,
5.6945

212.2323,
229.8908, 251.7049

■ 1.9246, 2.3226,
2.5944

257.0566,

■ 0.5911, 0.7856,

277.9456, 304.2161

0.8896

307.7856,
332.2697, 363.5655

■ 0.0000, 0.0000,
0.0000

■ 46.8272, 51.6923,
56.7998

■ 46.8272, 51.6923,
56.7998

■ 42.3463, 49.4268,
54.6455

■ 51.9481, 54.2896,
59.0322

■ 38.4745, 47.4729,
52.5645

■ 57.7295, 57.2249,
61.3408

■ 35.1851, 45.8182,
50.5561

■ 64.1964, 60.5125,
63.7282

■ 32.4475, 44.4469,
48.6186

■ 71.3710, 64.1640,
66.1957

■ 30.2282, 43.3419,
46.7502

■ 71.9344, 64.4062,
68.4010

■ 28.4903, 42.4840,
44.9489

■ 72.3610, 64.5769,
70.6475

■ 27.1917, 41.8517,
43.2122

■ 72.7968, 64.7512,
72.9423

■ 26.2831, 41.4194,
41.5376

■ 73.2418, 64.9292,
75.2856

■ 25.6823, 41.1448,
39.9209

■ 73.6961, 65.1109,
77.6779

Harmonies

Analogous

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



47.0445, 51.6923, 53.4258



46.8272, 51.6923, 56.7998



47.2191, 51.6923, 60.1688

Triad

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



46.8272, 51.6923, 56.7998



50.4703, 51.6923, 62.0198



50.1544, 51.6923, 50.4342

Complementary

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



46.8272, 51.6923, 56.7998



46.2103, 46.2102, 49.6662

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.



51.0959, 51.6923, 52.5704



46.8272, 51.6923, 56.7998



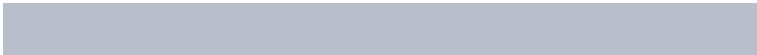
51.2804, 51.6923, 59.2426

Square

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



46.8272, 51.6923, 56.7998



49.3117, 51.6923, 63.2607



51.5112, 51.6923, 55.7716



48.9527, 51.6923, 49.8403

Rectangle

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



46.8272, 51.6923, 56.7998



47.7769, 51.6923, 61.9312



51.5112, 51.6923, 55.7716



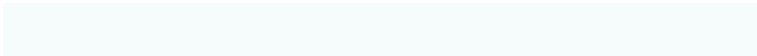
50.5125, 51.6923, 50.9912

Sweetspot

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



46.8287, 51.6945, 56.8009



89.9953, 96.2662, 105.1977



46.0787, 51.4775, 49.1032



19.5416, 20.9969, 22.9649



0.0000, 0.0000, 0.0000



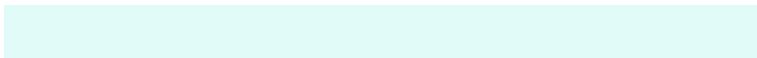
20.3446, 21.4041, 23.3091

Same Dimension

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



46.8287, 51.6945, 56.8009



82.7765, 92.6092, 101.9502



45.9859, 49.4745, 58.1674



10.2897, 11.3969, 12.5290



16.8676, 27.0411, 26.2596



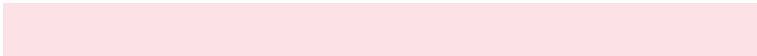
0.7493, 1.1766, 1.2425

Inverse Universe

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



46.2103, 46.2102, 49.6662



81.3717, 80.1473, 85.7390



46.9923, 48.2584, 48.4337



10.1442, 10.1063, 10.8500



14.8416, 7.6264, 1.8120



0.6641, 0.3386, 0.1985

Previews

White Background



This preview shows how the XYZ color 46.8272, 51.6923, 56.7998 looks on a white background.

Color Contrast Check

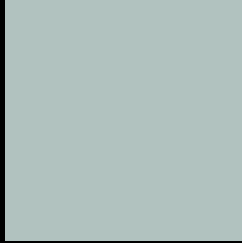
Large Text (above 18pt) WCAG AA × Fail

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 46.8272, 51.6923, 56.7998 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

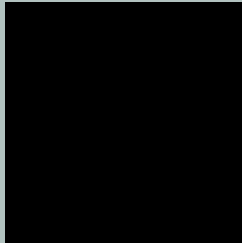
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

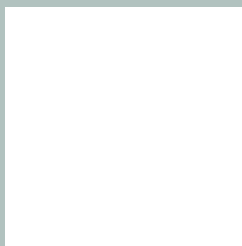
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.8272, 51.6923, 56.7998

Background



This preview shows how black text looks on a background with the XYZ color 46.8272, 51.6923, 56.7998.



This preview shows how white text looks on a background with the XYZ color 46.8272, 51.6923,

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

46.8272, 51.6923, 56.7998

Protanopia

49.5228, 51.4954, 54.9064

Deuteranopia

52.4983, 51.3966, 57.6057



Tritanopia

48.9345, 51.9076, 66.4715

Trichromacy



Original Color

46.8272, 51.6923, 56.7998

Protanomaly

48.5551, 51.6271, 55.5500

Deuteranomaly

50.2626, 51.5080, 57.1621

Tritanomaly

48.2030, 51.9407, 62.7433

Monochromacy



Original Color

46.8272, 51.6923, 56.7998

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

47.9326, 51.2936, 56.0895

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8272, 51.6923, 56.7998 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, 194, 191)` looks like.

```
.text, #text, p{  
    color:rgb(177, 194, 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, 194, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 194, 191) }
```

Border

The CSS property to change the border of an element to XYZ 46.8272, 51.6923, 56.7998 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, 194, 191) }
```


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

```
.border{ border-color:rgb(177, 194, 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, 194, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 194, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 194, 191);  
box-shadow:4px 4px 4px 4px rgb(177, 194,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8272, 51.6923, 56.7998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 194, 191) }
```

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

```
.background{ background-color: rgb(177,  
194, 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](#).

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