

Converting Colors

XYZ(46.8159, 52.3121, 55.7003)

Have a look what the booklet for
XYZ(46.8159, 52.3121, 55.7003)
contains.

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Color

**XYZ(46.8297, 52.3841,
55.7871)**

Conversions

Conversions Part 1

Format	Color
Hex	B0C4BD
RGB	176, 196, 189
RGB Percent	69%, 77%, 74%
CMY	0.3098, 0.2314, 0.2588
CMYK	0.10, 0.00, 0.04, 0.23
HSL	159°, 14%, 73%
HSV	159°, 10%, 77%
XYZ	46.8297, 52.3841, 55.7871
YIQ	189.2220, -9.6730, -6.4170

Conversions

Conversions Part 2

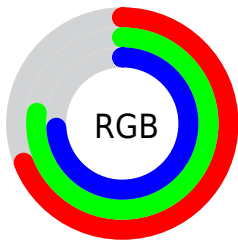
Format	Color
RYB	176, 188, 196
Decimal	11584701
CIELab	77.51, -8.15, 1.19
CIElCh	78, 8.236, 171.716
Yxy	52.3841, 0.3021, 0.3380
Android (android.graphics.Color)	4289774781 (0xFFB0C4BD)
YUV	189.2220, -0.1094, -11.5957
Hunter-Lab	72.3769, -11.1654, 4.9639

Details

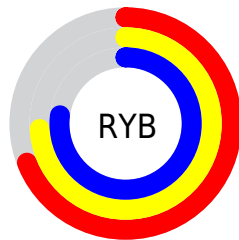
The XYZ color **46.8297, 52.3841, 55.7871** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.8394, 46.2066, 51.2521**, and the grayscale version is **48.5026, 51.0285, 55.5700**.

A 20% lighter version of the original color is **84.8854, 93.9989, 100.0559**, and **22.2853, 25.3345, 27.0080** is the 20% darker color. If you saturate the color by 10%, you get **41.9869, 49.9730, 51.7644**, and if you desaturate by 10%, it is **52.3507, 55.1436, 60.0277**.

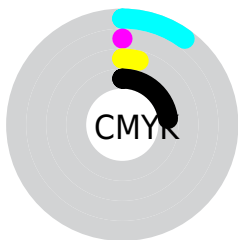
Distribution



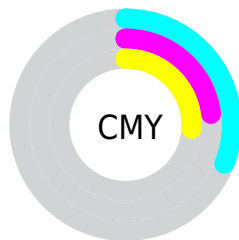
- Red (69%)
- Green (77%)
- Blue (74%)



- Red (69%)
- Yellow (74%)
- Blue (77%)



- Cyan (10%)
- Magenta (0%)
- Yellow (4%)
- Black (23%)



- Cyan (31%)
- Magenta (23%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.8297, 52.3841, 55.7871 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 46.8297, 52.3841, 55.7871 by changing the saturation by 10% instead.

■ 46.8297, 52.3841,
55.7871

■ 46.8297, 52.3841,
55.7871

364.7946,
395.9177, 426.2544

■ 33.1084, 37.3113,
39.6294

■ 84.6797, 93.6975,
100.1759

■ 22.3692, 25.4486,
26.9381

109.5390,
120.7068, 129.2441

■ 14.2465, 16.4116,
17.2947

138.8419,
152.4639, 163.4529

■ 8.3752, 9.8159,
10.2807

172.9534,
189.3529, 203.2208

■ 4.3898, 5.2771,
5.4774

212.2392,
231.7585, 248.9664

■ 1.9249, 2.4107,
2.4664

257.0644,

■ 0.5912, 0.8314,

280.0648, 301.1081

0.8223

307.7944,
334.6564, 360.0646

■ 0.0000, 0.0000,
0.0000

■ 46.8297, 52.3841,
55.7871

■ 46.8297, 52.3841,
55.7871

■ 41.9869, 49.9730,
51.7644

■ 52.3507, 55.1436,
60.0277

■ 37.7899, 47.8894,
47.9523

■ 58.5715, 58.2583,
64.4864

■ 34.2106, 46.1203,
44.3481

■ 65.5182, 61.7431,
69.1680

■ 31.2168, 44.6491,
40.9476

■ 73.2145, 65.6100,
74.0759

■ 28.7733, 43.4577,
37.7464

■ 74.3423, 66.0864,
78.8700

■ 26.8409, 42.5261,
34.7400

■ 75.2882, 66.4648,
83.8515

■ 25.3753, 41.8314,
31.9235

■ 76.2722, 66.8584,
89.0328

■ 24.3238, 41.3465,
29.2916

■ 77.2945, 67.2673,
94.4162

■ 23.5968, 41.0242,
26.8852

■ 78.3556, 67.6917,
100.0040

Harmonies

Analogous

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



47.4318, 52.3841, 51.7910



46.8297, 52.3841, 55.7871



47.0073, 52.3841, 60.3333

Triad

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



46.8297, 52.3841, 55.7871



50.9274, 52.3841, 65.5502



51.7047, 52.3841, 50.4471

Complementary

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



46.8297, 52.3841, 55.7871



46.8394, 46.2066, 51.2521

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.



52.6794, 52.3841, 53.8637



46.8297, 52.3841, 55.7871



52.2241, 52.3841, 62.6266

Square

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



46.8297, 52.3841, 55.7871



49.3510, 52.3841, 66.1325



52.8715, 52.3841, 58.3062



50.2306, 52.3841, 48.8169

Rectangle

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



46.8297, 52.3841, 55.7871



47.5457, 52.3841, 63.0544



52.8715, 52.3841, 58.3062



52.1029, 52.3841, 51.4159

Sweetspot

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



46.8312, 52.3863, 55.7883



91.8631, 98.4065, 106.5157



47.1859, 52.7250, 48.7649



19.4844, 20.9741, 22.6637



0.0000, 0.0000, 0.0000



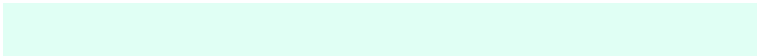
20.3446, 21.4041, 23.3091

Same Dimension

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



46.8312, 52.3863, 55.7883



82.9974, 93.9804, 99.5823



47.0137, 51.5052, 59.6908



10.2139, 11.3666, 12.1298



15.2032, 26.3754, 17.4952



0.6885, 1.1522, 0.9223

Inverse Universe

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



46.8394, 46.2066, 51.2521



83.0150, 80.7913, 89.9017



46.6564, 46.9784, 47.6836



10.2156, 10.1348, 11.2256



15.3473, 7.8287, 4.4747



0.6960, 0.3514, 0.3665

Previews

White Background



This preview shows how the XYZ color 46.8297, 52.3841, 55.7871 looks on a white background.

Color Contrast Check

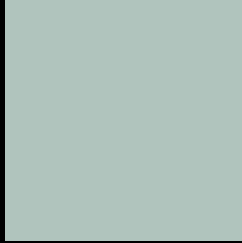
Large Text (above 18pt) WCAG AA × Fail

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 46.8297, 52.3841, 55.7871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

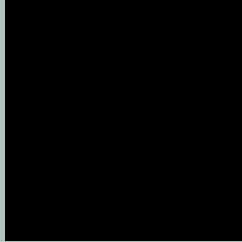
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

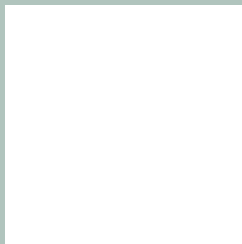
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.8297, 52.3841, 55.7871

Background



This preview shows how black text looks on a background with the XYZ color 46.8297, 52.3841, 55.7871.



This preview shows how white text looks on a background with the XYZ color 46.8297, 52.3841,

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

46.8297, 52.3841, 55.7871

Protanopia

50.0413, 52.1078, 53.8747

Deuteranopia

53.0474, 52.0148, 56.5342



Tritanopia

49.0455, 52.2777, 67.1801

Trichromacy



Original Color

46.8297, 52.3841, 55.7871

Protanomaly

48.8055, 52.1059, 54.4988

Deuteranomaly

50.5178, 51.9832, 56.0864

Tritanomaly

48.1945, 52.2656, 62.8065

Monochromacy



Original Color

46.8297, 52.3841, 55.7871

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

47.8021, 51.5637, 55.5775

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8297, 52.3841, 55.7871 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(176, 196, 189)` looks like.

```
.text, #text, p{  
    color:rgb(176, 196, 189)  
}
```

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(176, 196, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 196, 189) }
```

Border

The CSS property to change the border of an element to XYZ 46.8297, 52.3841, 55.7871 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(176, 196, 189) }
```


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

```
.border{ border-color:rgb(176, 196, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 196, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 196, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 196, 189);  
box-shadow:4px 4px 4px 4px rgb(176, 196,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8297, 52.3841, 55.7871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 196, 189) }
```

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

```
.background{ background-color: rgb(176,  
196, 189) }
```

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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