

Converting Colors

XYZ(56.0818, 60.6730, 46.7855)

Have a look what the booklet for
XYZ(56.0818, 60.6730, 46.7855)
contains.

XYZ(56.1910, 60.8938, 46.8223)	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(56.1910, 60.8938,
46.8223)**

Conversions

Conversions Part 1

Format	Color
Hex	D3CEAA
RGB	211, 206, 170
RGB Percent	83%, 81%, 67%
CMY	0.1725, 0.1921, 0.3333
CMYK	0.00, 0.02, 0.19, 0.17
HSL	53°, 32%, 75%
HSV	53°, 19%, 83%
XYZ	56.1910, 60.8938, 46.8223
YIQ	203.3910, 14.5360, -10.1360

Conversions

Conversions Part 2

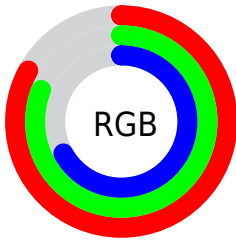
Format	Color
RYB	176, 211, 170
Decimal	13881002
CIELab	82.32, -4.16, 18.56
CIELCh	82, 19.020, 102.626
Yxy	60.8938, 0.3428, 0.3715
Android (android.graphics.Color)	4292071082 (0xFFD3CEAA)
YUV	203.3910, -16.4618, 6.6731
Hunter-Lab	78.0345, -8.0262, 19.0489

Details

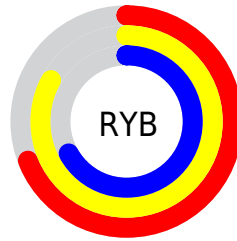
The XYZ color **56.1910, 60.8938, 46.8223** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **43.6653, 43.9082, 67.8022**, and the grayscale version is **57.1058, 60.0798, 65.4269**.

A 20% lighter version of the original color is **90.5906, 98.2162, 85.4172**, and **28.2086, 30.8324, 21.6040** is the 20% darker color. If you saturate the color by 10%, you get **53.7398, 58.9332, 36.9355**, and if you desaturate by 10%, it is **58.9759, 63.0083, 58.4024**.

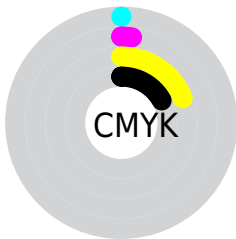
Distribution



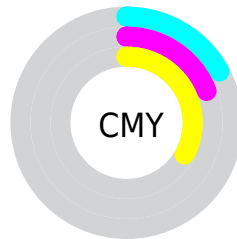
- Red (83%)
- Green (81%)
- Blue (67%)



- Red (69%)
- Yellow (83%)
- Blue (67%)



- Cyan (0%)
- Magenta (2%)
- Yellow (19%)
- Black (17%)



- Cyan (17%)
- Magenta (19%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.1910, 60.8938, 46.8223 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 56.1910, 60.8938, 46.8223 by changing the saturation by 10% instead.

■ 56.1910, 60.8938,
46.8223

■ 56.1910, 60.8938,
46.8223

400.4743,
427.8845, 390.4780

■ 40.5937, 44.1395,
32.5419

■ 98.4220, 106.1252,
86.7955

■ 28.1880, 30.7802,
21.5075

125.7863,
135.3710, 113.3254

■ 18.6086, 20.4315,
13.3006

157.8038,
169.5494, 144.7754

■ 11.4901, 12.7091,
7.5027

194.8396,
209.0448, 181.5643

■ 6.4672, 7.2285,
3.6953

237.2592,
254.2416, 224.1104

■ 3.1746, 3.6054,
1.4597

285.4280,

■ 1.2467, 1.4554,

305.5243, 272.8324

0.1876

339.7112,
363.2771, 328.1487

■ 0.1428, 0.2570,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.1910, 60.8938,
46.8223

■ 56.1910, 60.8938,
46.8223

■ 53.7398, 58.9332,
36.9355

■ 58.9759, 63.0083,
58.4024

■ 51.6023, 57.1120,
28.6577

■ 62.1041, 65.2742,
71.7469

■ 49.7634, 55.4264,
21.9033

■ 65.5905, 67.6999,
86.9275

■ 48.2051, 53.8690,
16.5772

■ 69.4479, 70.2903,
104.0109

■ 46.9073, 52.4317,
12.5737

■ 70.2090, 71.6587,
104.7388

■ 45.8470, 51.1052,
9.7722

■ 70.8844, 73.0094,
104.9640

■ 44.9972, 49.8786,
8.0303

■ 71.5701, 74.3809,
105.1925

■ 44.3116, 48.7334,
7.1055

■ 72.2663, 75.7733,
105.4246

■ 44.2744, 48.6694,
7.0606

■ 72.9730, 77.1866,
105.6602

Harmonies

Analogous

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



60.2360, 60.8938, 47.2028



56.1910, 60.8938, 46.8223



52.7592, 60.8938, 51.2002

Triad

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



56.1910, 60.8938, 46.8223



52.3312, 60.8938, 82.5943



65.6380, 60.8938, 73.1930

Complementary

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



56.1910, 60.8938, 46.8223



43.6653, 43.9082, 67.8022

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.



63.3171, 60.8938, 84.1172



56.1910, 60.8938, 46.8223



55.5818, 60.8938, 89.9648

Square

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



56.1910, 60.8938, 46.8223



50.6016, 60.8938, 71.3020



59.5979, 60.8938, 90.5526



65.8199, 60.8938, 61.5433

Rectangle

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



56.1910, 60.8938, 46.8223



51.2297, 60.8938, 56.5616



59.5979, 60.8938, 90.5526



65.0773, 60.8938, 77.1031

Sweetspot

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



56.1926, 60.8965, 46.8236



92.0918, 97.8698, 96.2416



49.0231, 45.7126, 47.0386



19.6451, 20.8997, 20.3179



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.



56.1926, 60.8965, 46.8236



84.7663, 92.3066, 65.7830



53.3068, 61.2226, 47.0386



12.6754, 13.5415, 12.5577



26.7701, 29.4732, 4.2780



1.5322, 1.7187, 0.2510

Inverse Universe

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



43.6653, 43.9082, 67.8022



62.3793, 61.9492, 103.2774



46.1489, 43.7719, 67.6449



11.2781, 11.6464, 14.8972



7.3550, 3.3567, 37.4527



0.4507, 0.2666, 2.1073

Previews

White Background



This preview shows how the XYZ color 56.1910, 60.8938, 46.8223 looks on a white background.

Color Contrast Check

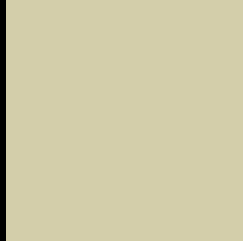
Large Text (above 18pt) WCAG AA × Fail

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 56.1910, 60.8938, 46.8223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

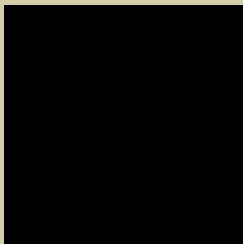
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

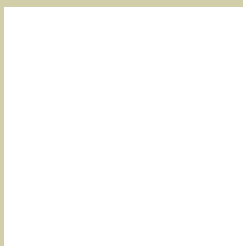
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.1910, 60.8938, 46.8223

Background



This preview shows how black text looks on a background with the XYZ color 56.1910, 60.8938, 46.8223.



This preview shows how white text looks on a background with the XYZ color 56.1910, 60.8938,

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

56.1910, 60.8938, 46.8223

Protanopia

57.0732, 60.6492, 46.2345

Deuteranopia

62.0047, 60.7439, 47.4865



Tritanopia

61.5353, 60.9666, 72.8144

Trichromacy



Original Color

56.1910, 60.8938, 46.8223

Protanomaly

56.7243, 60.8234, 46.2865

Deuteranomaly

59.6835, 60.5797, 47.0755

Tritanomaly

59.4537, 60.8117, 62.6371

Monochromacy



Original Color

56.1910, 60.8938, 46.8223

Achromatopsia

56.7640, 59.7202, 65.0353

Achromatomaly

56.4504, 60.0691, 57.9095

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.1910, 60.8938, 46.8223 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(211, 206, 170)` looks like.

```
.text, #text, p{  
    color:rgb(211, 206, 170)  
}
```

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(211, 206, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 206, 170) }
```

Border

The CSS property to change the border of an element to XYZ 56.1910, 60.8938, 46.8223 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(211, 206, 170) }
```


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

```
.border{ border-color:rgb(211, 206, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 206, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(211, 206, 170); -webkit-box-shadow:4px 4px 4px 4px rgb(211, 206, 170); box-shadow:4px 4px 4px 4px rgb(211, 206, 170) }
```

Background

The CSS property to change the background color of an element to XYZ 56.1910, 60.8938, 46.8223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 206, 170) }
```

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

```
.background{ background-color: rgb(211,  
206, 170) }
```

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