

Converting Colors

XYZ(10.1874, 13.8229, 3.5720)

Have a look what the booklet for
XYZ(10.1874, 13.8229, 3.5720)
contains.

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Color

**XYZ(10.1885, 13.8220,
3.5698)**

Conversions

Conversions Part 1

Format	Color
Hex	597021
RGB	89, 112, 33
RGB Percent	35%, 44%, 13%
CMY	0.6510, 0.5608, 0.8706
CMYK	0.21, 0.00, 0.71, 0.56
HSL	77°, 54%, 28%
HSV	77°, 71%, 44%
XYZ	10.1885, 13.8220, 3.5698
YIQ	96.1170, 11.6510, -29.4450

Conversions

Conversions Part 2

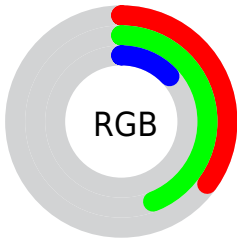
Format	Color
R_{YB}	33, 112, 56
Decimal	5861409
CIE _{Lab}	43.98, -21.00, 39.40
CIE _{LCh}	44, 44.645, 118.063
Yxy	13.8220, 0.3694, 0.5012
Android (android.graphics.Color)	4284051489 (0xFF597021)
YUV	96.1170, -31.1167, -6.2416
Hunter-Lab	37.1780, -16.1441, 20.3316

Details

The XYZ color **10.1885, 13.8220, 3.5698** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **5.1000, 3.0987, 15.6594**, and the grayscale version is **11.2182, 11.8024, 12.8529**.

A 20% lighter version of the original color is **25.7830, 32.8228, 12.9592**, and **2.7478, 4.1382, 0.6539** is the 20% darker color. If you saturate the color by 10%, you get **9.7511, 13.6122, 2.8626**, and if you desaturate by 10%, it is **10.6927, 14.0611, 4.5535**.

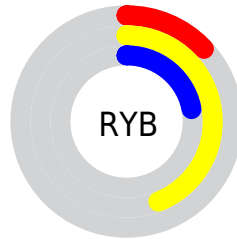
Distribution



Red (35%)

Green (44%)

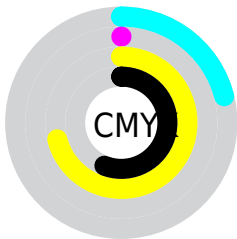
Blue (13%)



Red (13%)

Yellow (44%)

Blue (22%)

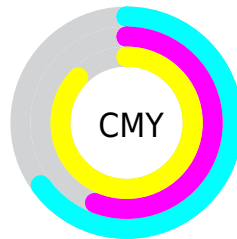


Cyan (21%)

Magenta (0%)

Yellow (71%)

Black (56%)



Cyan (65%)

Magenta (56%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.1885, 13.8220, 3.5698 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 10.1885, 13.8220, 3.5698 by changing the saturation by 10% instead.

■ 10.1885, 13.8220,
3.5698

■ 10.1885, 13.8220,
3.5698

186.0378,
216.1207, 143.3165

■ 5.5873, 7.9970,
1.3924

■ 25.7959, 32.7729,
13.0048

■ 2.6341, 4.0930,
0.1358

■ 37.5329, 46.6675,
21.0995

■ 0.9634, 1.7257,
0.0000

■ 52.3792, 64.0207,
32.0037

■ 0.0000, 0.4402,
0.0000

■ 70.7001, 85.2171,
46.1359

■ 0.0000, 0.0000,
0.0000

■ 92.8611, 110.6408,
63.9148

■ 119.2275,

140.6764, 85.7588

150.1646,
175.7082, 112.0865

10.1885, 13.8220,
3.5698

10.1885, 13.8220,
3.5698

9.7511, 13.6122,
2.8626

10.6927, 14.0611,
4.5535

9.3739, 13.4275,
2.4024

11.2675, 14.3296,
5.8374

9.0514, 13.2680,
2.0839

11.9177, 14.6300,
7.4438

12.6472, 14.9636,
9.3927

13.4596, 15.3321,
11.7022

■ 14.3583, 15.7369,
14.3894

■ 15.3464, 16.1791,
17.4702

■ 16.4271, 16.6601,
20.9595

■ 17.6030, 17.1810,
24.8717

Harmonies

Analogous

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



13.3688, 13.8220, 2.7653



10.1885, 13.8220, 3.5698



8.1665, 13.8220, 6.9141

Triad

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



10.1885, 13.8220, 3.5698



9.8558, 13.8220, 38.3931



21.1815, 13.8220, 15.7183

Complementary

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



10.1885, 13.8220, 3.5698



5.1000, 3.0987, 15.6594

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.



19.8013, 13.8220, 27.8955



10.1885, 13.8220, 3.5698



12.9087, 13.8220, 44.1468

Square

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



10.1885, 13.8220, 3.5698



8.0001, 13.8220, 26.2087



16.6066, 13.8220, 39.6363



20.1053, 13.8220, 7.6160

Rectangle

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



10.1885, 13.8220, 3.5698



7.5400, 13.8220, 11.3673



16.6066, 13.8220, 39.6363



20.9851, 13.8220, 19.4523

Sweetspot

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



10.1888, 13.8226, 3.5701



23.4921, 26.8648, 20.1146



8.3416, 6.3240, 2.2201



5.5698, 6.4206, 4.6186



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



10.1888, 13.8226, 3.5701



16.6748, 23.6902, 4.4429



7.3903, 12.3799, 3.4391



3.5519, 3.8698, 3.6331



10.4404, 15.3259, 2.4079



51.1204, 75.8876, 11.9534

Inverse Universe

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



5.1000, 3.0987, 15.6594



7.1530, 3.5143, 27.2311



8.1762, 4.6846, 15.8033



3.3005, 3.3432, 4.2256



4.0707, 1.7080, 17.8367



19.5168, 8.1157, 88.8170

Previews

White Background



This preview shows how the XYZ color 10.1885, 13.8220, 3.5698 looks on a white 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 × Fail

Black Background



This preview shows how the XYZ color 10.1885, 13.8220, 3.5698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

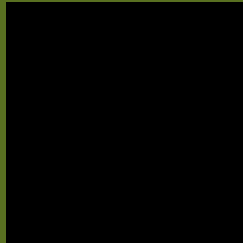
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.1885, 13.8220, 3.5698

Background



This preview shows how black text looks on a background with the XYZ color 10.1885, 13.8220, 3.5698.



This preview shows how white text looks on a background with the XYZ color 10.1885, 13.8220,

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

10.1885, 13.8220, 3.5698

Protanopia

12.4001, 13.7126, 3.2896

Deuteranopia

13.8650, 13.7307, 3.7533



Tritanopia

13.0692, 13.8921, 17.6154

Trichromacy



Original Color

10.1885, 13.8220, 3.5698

Protanomaly

11.4623, 13.6838, 3.4036

Deuteranomaly

12.2082, 13.6054, 3.6517

Tritanomaly

11.6821, 13.7981, 10.4351

Monochromacy



Original Color

10.1885, 13.8220, 3.5698

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

10.4682, 12.3109, 8.1278

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.1885, 13.8220, 3.5698 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(89, 112, 33)` looks like.

```
.text, #text, p{  
    color:rgb(89, 112, 33)  
}
```

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(89, 112, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 112, 33) }
```

Border

The CSS property to change the border of an element to XYZ 10.1885, 13.8220, 3.5698 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(89, 112, 33) }
```


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

```
.border{ border-color:rgb(89, 112, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 112, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 112, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 112, 33);  
box-shadow:4px 4px 4px 4px rgb(89, 112,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 10.1885, 13.8220, 3.5698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 112, 33) }
```

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

```
.background{ background-color: rgb(89, 112,  
33) }
```

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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