

Converting Colors

XYZ(18.0430, 30.8003, 10.5450)

Have a look what the booklet for
XYZ(18.0430, 30.8003, 10.5450)
contains.

XYZ(18.0913, 30.8207, 10.6257)	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(18.0913, 30.8207,
10.6257)**

Conversions

Conversions Part 1

Format	Color
Hex	45AB45
RGB	69, 171, 69
RGB Percent	27%, 67%, 27%
CMY	0.7294, 0.3294, 0.7294
CMYK	0.60, 0.00, 0.60, 0.33
HSL	120°, 43%, 47%
HSV	120°, 60%, 67%
XYZ	18.0913, 30.8207, 10.6257
YIQ	128.8740, -28.0500, -53.3460

Conversions

Conversions Part 2

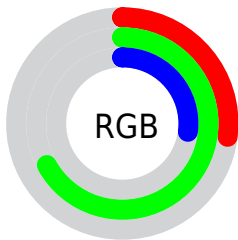
Format	Color
RYB	69, 171, 171
Decimal	4565829
CIELab	62.36, -50.12, 43.02
CIELCh	62, 66.053, 139.364
Yxy	30.8207, 0.3039, 0.5177
Android (android.graphics.Color)	4282755909 (0xFF45AB45)
YUV	128.8740, -29.5179, -52.5095
Hunter-Lab	55.5164, -38.9853, 27.5135

Details

The XYZ color **18.0913, 30.8207, 10.6257** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **26.2741, 15.8548, 40.2037**, and the grayscale version is **20.9298, 22.0198, 23.9796**.

A 20% lighter version of the original color is **39.6116, 60.8063, 27.4183**, and **6.5647, 12.9914, 2.6135** is the 20% darker color. If you saturate the color by 10%, you get **16.5922, 30.1015, 8.1731**, and if you desaturate by 10%, it is **20.0944, 31.7838, 13.9016**.

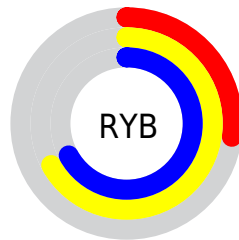
Distribution



Red (27%)

Green (67%)

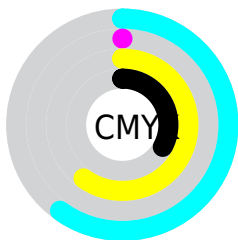
Blue (27%)



Red (27%)

Yellow (67%)

Blue (67%)

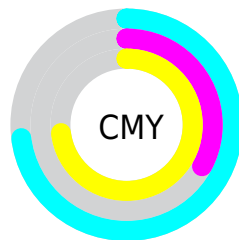


Cyan (60%)

Magenta (0%)

Yellow (60%)

Black (33%)



Cyan (73%)

Magenta (33%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0913, 30.8207, 10.6257 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 18.0913, 30.8207, 10.6257 by changing the saturation by 10% instead.

■ 18.0913, 30.8207,
10.6257

■ 18.0913, 30.8207,
10.6257

234.4208,
305.7114, 205.7257

■ 11.1156, 20.4624,
5.7048

■ 39.7217, 60.9577,
27.5919

■ 6.2125, 12.7316,
2.6005

■ 55.1072, 81.5051,
40.4743

■ 3.0166, 7.2440,
0.8927

■ 74.0266, 106.2176,
56.8475

■ 1.1626, 3.6151,
0.0000

■ 96.8453, 135.4797,
77.1301

■ 0.0765, 1.4607,
0.0000

■ 123.9288,
169.6758, 101.7407

■ 0.0000, 0.2608,
0.0000

155.6423,

■ 0.0000, 0.0000,

209.1901, 131.0978

0.0000

192.3512,
254.4072, 165.6200

■ 18.0913, 30.8207,
10.6257

■ 18.0913, 30.8207,
10.6257

■ 16.5922, 30.1015,
8.1731

■ 20.0944, 31.7838,
13.9016

■ 15.5503, 29.6011,
6.4688

■ 22.6385, 33.0059,
18.0629

■ 14.9142, 29.2955,
5.4282

■ 25.7596, 34.5051,
23.1682

■ 14.5743, 29.1323,
4.8723

■ 29.4902, 36.2971,
29.2702

■ 14.5636, 29.1271,
4.8547

■ 33.8603, 38.3963,
36.4182

■ 38.8978, 40.8160,
44.6577

■ 44.6290, 43.5690,
54.0320

■ 51.0788, 46.6672,
64.5817

■ 58.2710, 50.1220,
76.3457

Harmonies

Analogous

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



23.9570, 30.8207, 5.2470



18.0913, 30.8207, 10.6257



15.4409, 30.8207, 25.2685

Triad

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



18.0913, 30.8207, 10.6257



26.2350, 30.8207, 108.9066



48.6851, 30.8207, 19.7406

Complementary

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



18.0913, 30.8207, 10.6257



26.2741, 15.8548, 40.2037

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.



49.6411, 30.8207, 43.4883



18.0913, 30.8207, 10.6257



35.3704, 30.8207, 104.7120

Square

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



18.0913, 30.8207, 10.6257



19.4660, 30.8207, 86.4854



44.3684, 30.8207, 76.9062



41.9737, 30.8207, 8.3501

Rectangle

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



18.0913, 30.8207, 10.6257



15.3977, 30.8207, 42.2213



44.3684, 30.8207, 76.9062



49.7354, 30.8207, 26.1699

Sweetspot

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



18.0920, 30.8220, 10.6264



53.7883, 65.4719, 54.0140



32.4330, 38.2150, 11.2971



11.5366, 14.3803, 11.2955



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



18.0920, 30.8220, 10.6264



28.9483, 53.5400, 13.3836



20.4080, 31.7484, 22.8223



7.9045, 8.9394, 8.5223



10.9783, 21.9566, 3.6596



0.3054, 0.6108, 0.1018

Inverse Universe

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



26.2741, 15.8548, 40.2037



44.9714, 24.2297, 71.3051



22.3137, 14.2706, 19.3483



8.3371, 8.1481, 10.0860



18.2016, 8.7432, 29.7709



0.5064, 0.2432, 0.8282

Previews

White Background



This preview shows how the XYZ color 18.0913, 30.8207, 10.6257 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 18.0913, 30.8207, 10.6257 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 18.0913, 30.8207, 10.6257

Background



This preview shows how black text looks on a background with the XYZ color 18.0913, 30.8207, 10.6257.



This preview shows how white text looks on a background with the XYZ color 18.0913, 30.8207,

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

18.0913, 30.8207, 10.6257

Protanopia

27.7399, 30.3871, 9.1059

Deuteranopia

30.9292, 30.3711, 11.2532



Tritanopia

24.7297, 30.5384, 44.1263

Trichromacy



Original Color

18.0913, 30.8207, 10.6257



Protanomaly

22.5411, 29.6607, 9.5381



Deuteranomaly

23.7826, 29.0277, 10.8280



Tritanomaly

21.3949, 30.2315, 27.6293

Monochromacy



Original Color

18.0913, 30.8207, 10.6257



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

18.6905, 24.1339, 17.5831

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0913, 30.8207, 10.6257 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(69, 171, 69)` looks like.

```
.text, #text, p{  
  color:rgb(69, 171, 69)  
}
```

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(69, 171, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 171, 69) }
```

Border

The CSS property to change the border of an element to XYZ 18.0913, 30.8207, 10.6257 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(69, 171, 69) }
```


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

```
.border{ border-color:rgb(69, 171, 69) }
```

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

Here you see how a box with a 4 pixel rgb(69, 171, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 171, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 171, 69);  
box-shadow:4px 4px 4px 4px rgb(69, 171,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0913, 30.8207, 10.6257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 171, 69) }
```

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

```
.background{ background-color: rgb(69, 171,  
69) }
```

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