

Converting Colors

XYZ(17.0066, 29.7028, 10.6130)

Have a look what the booklet for
XYZ(17.0066, 29.7028, 10.6130)
contains.

XYZ(16.9808, 29.6880, 10.6297)	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(16.9808, 29.6880,
10.6297)**

Conversions

Conversions Part 1

Format	Color
Hex	39A946
RGB	57, 169, 70
RGB Percent	22%, 66%, 27%
CMY	0.7765, 0.3372, 0.7255
CMYK	0.66, 0.00, 0.59, 0.34
HSL	127°, 50%, 44%
HSV	127°, 66%, 66%
XYZ	16.9808, 29.6880, 10.6297
YIQ	124.2260, -34.9730, -54.5330

Conversions

Conversions Part 2

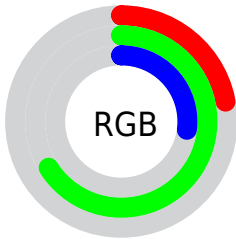
Format	Color
RYB	57, 157, 169
Decimal	3778886
CIELab	61.38, -51.95, 41.33
CIElCh	61, 66.381, 141.493
Yxy	29.6880, 0.2964, 0.5181
Android (android.graphics.Color)	4281968966 (0xFF39A946)
YUV	124.2260, -26.7334, -58.9572
Hunter-Lab	54.4867, -39.7221, 26.5739

Details

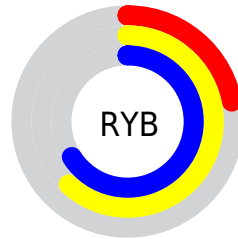
The XYZ color **16.9808, 29.6880, 10.6297** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **23.8269, 13.7620, 32.8536**, and the grayscale version is **19.3291, 20.3357, 22.1455**.

A 20% lighter version of the original color is **37.7125, 59.0128, 27.4921**, and **6.3546, 12.5345, 2.6567** is the 20% darker color. If you saturate the color by 10%, you get **15.7587, 29.1067, 8.4101**, and if you desaturate by 10%, it is **18.6423, 30.4840, 13.4835**.

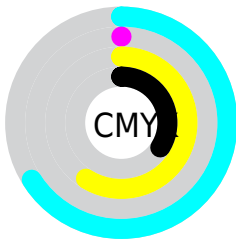
Distribution



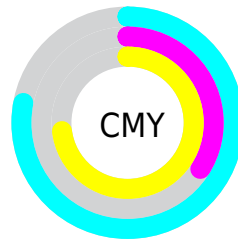
- Red (22%)
- Green (66%)
- Blue (27%)



- Red (22%)
- Yellow (62%)
- Blue (66%)



- Cyan (66%)
- Magenta (0%)
- Yellow (59%)
- Black (34%)



- Cyan (78%)
- Magenta (34%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9808, 29.6880, 10.6297 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 16.9808, 29.6880, 10.6297 by changing the saturation by 10% instead.

■ 16.9808, 29.6880,
10.6297

■ 16.9808, 29.6880,
10.6297

228.2201,
300.4474, 205.7545

■ 10.3160, 19.6019,
5.7074

■ 37.8366, 59.1684,
27.5995

■ 5.6729, 12.1060,
2.6021

■ 52.7584, 79.3315,
40.4840

■ 2.6860, 6.8159,
0.8935

■ 71.1632, 103.6224,
56.8597

■ 0.9900, 3.3472,
0.0000

■ 93.4163, 132.4255,
77.1451

■ 0.0000, 1.3156,
0.0000

■ 119.8833,
166.1251, 101.7588

■ 0.0000, 0.1532,
0.0000

150.9293,

■ 0.0000, 0.0000,

205.1057, 131.1192

0.0000

186.9198,
249.7517, 165.6449

■ 16.9808, 29.6880,
10.6297

■ 16.9808, 29.6880,
10.6297

■ 15.7587, 29.1067,
8.4101

■ 18.6423, 30.4840,
13.4835

■ 14.9317, 28.7157,
6.7744

■ 20.7778, 31.5090,
17.0128

■ 14.4449, 28.4888,
5.6679

■ 23.4207, 32.7802,
21.2576

■ 14.3115, 28.4263,
5.3767

■ 26.6009, 34.3124,
26.2544

■ 30.3460, 36.1189,
32.0371

■ 34.6816, 38.2124,
38.6375

■ 39.6317, 40.6045,
46.0858

■ 45.2191, 43.3065,
54.4106

■ 51.4653, 46.3287,
63.6390

Harmonies

Analogous

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



22.4842, 29.6880, 5.0075



16.9808, 29.6880, 10.6297



14.6202, 29.6880, 25.7000

Triad

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



16.9808, 29.6880, 10.6297



25.7979, 29.6880, 107.3738



46.9749, 29.6880, 17.6743

Complementary

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



16.9808, 29.6880, 10.6297



23.8269, 13.7620, 32.8536

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.



48.3737, 29.6880, 40.0011



16.9808, 29.6880, 10.6297



34.8510, 29.6880, 101.2085

Square

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



16.9808, 29.6880, 10.6297



18.9744, 29.6880, 86.6883



43.5605, 29.6880, 72.6318



40.0601, 29.6880, 7.3613

Rectangle

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



16.9808, 29.6880, 10.6297



14.7187, 29.6880, 42.9228



43.5605, 29.6880, 72.6318



48.1557, 29.6880, 23.6335

Sweetspot

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



16.9815, 29.6892, 10.6304



51.4805, 63.3017, 52.9696



28.9889, 35.9217, 9.2767



10.8305, 13.6089, 10.9424



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



16.9815, 29.6892, 10.6304



27.3744, 51.7248, 13.4254



19.5268, 30.7074, 24.0338



7.4709, 8.4214, 8.1997



10.6767, 21.1895, 4.0645



0.2702, 0.5197, 0.1541

Inverse Universe

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



23.8269, 13.7620, 32.8536



40.5004, 21.0180, 55.9148



20.2145, 12.3171, 13.8309



7.8038, 7.6514, 9.2843



16.2732, 7.9180, 22.0478



0.4061, 0.1967, 0.5902

Previews

White Background



This preview shows how the XYZ color 16.9808, 29.6880, 10.6297 looks on a white 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

Black Background



This preview shows how the XYZ color 16.9808, 29.6880, 10.6297 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 × Fail

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

XYZ 16.9808, 29.6880, 10.6297

Background



This preview shows how black text looks on a background with the XYZ color 16.9808, 29.6880, 10.6297.



This preview shows how white text looks on a background with the XYZ color 16.9808, 29.6880,

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

16.9808, 29.6880, 10.6297

Protanopia

26.6408, 29.1188, 8.9190

Deuteranopia

29.5756, 29.0095, 11.2483



Tritanopia

23.4951, 29.6678, 43.0162

Trichromacy



Original Color

16.9808, 29.6880, 10.6297



Protanomaly

21.1622, 28.1960, 9.4813



Deuteranomaly

22.3283, 27.7921, 10.8442



Tritanomaly

20.3019, 29.4115, 27.1612

Monochromacy



Original Color

16.9808, 29.6880, 10.6297



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

17.1323, 22.4650, 16.5299

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9808, 29.6880, 10.6297 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(57, 169, 70)` looks like.

```
.text, #text, p{  
    color:rgb(57, 169, 70)  
}
```

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(57, 169, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 169, 70) }
```

Border

The CSS property to change the border of an element to XYZ 16.9808, 29.6880, 10.6297 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(57, 169, 70) }
```


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

```
.border{ border-color:rgb(57, 169, 70) }
```

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

Here you see how a box with a 4 pixel rgb(57, 169, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 169, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 169, 70);  
box-shadow:4px 4px 4px 4px rgb(57, 169,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9808, 29.6880, 10.6297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 169, 70) }
```

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

```
.background{ background-color: rgb(57, 169,  
70) }
```

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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