

Converting Colors

XYZ(11.7080, 18.5705, 4.9059)

Have a look what the booklet for
XYZ(11.7080, 18.5705, 4.9059)
contains.

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Color

**XYZ(11.7930, 18.6925,
4.9059)**

Conversions

Conversions Part 1

Format	Color
Hex	4B8627
RGB	75, 134, 39
RGB Percent	29%, 53%, 15%
CMY	0.7059, 0.4745, 0.8470
CMYK	0.44, 0.00, 0.71, 0.47
HSL	97°, 55%, 34%
HSV	97°, 71%, 53%
XYZ	11.7930, 18.6925, 4.9059
YIQ	105.5290, -4.6690, -42.0530

Conversions

Conversions Part 2

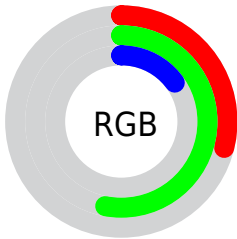
Format	Color
R_{YB}	39, 134, 98
Decimal	4949543
CIE Lab	50.33, -36.50, 43.19
CIE LCh	50, 56.547, 130.206
Yxy	18.6925, 0.3332, 0.5282
Android (android.graphics.Color)	4283139623 (0xFF4B8627)
YUV	105.5290, -32.7988, -26.7739
Hunter-Lab	43.2348, -26.9722, 23.5367

Details

The XYZ color **11.7930, 18.6925, 4.9059** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **10.0664, 5.7695, 23.1383**, and the grayscale version is **13.6589, 14.3703, 15.6492**.

A 20% lighter version of the original color is **28.8819, 41.3718, 16.1362**, and **3.4198, 6.4692, 1.0684** is the 20% darker color. If you saturate the color by 10%, you get **11.0003, 18.3057, 3.9077**, and if you desaturate by 10%, it is **12.7503, 19.1562, 6.3222**.

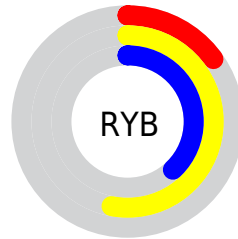
Distribution



Red (29%)

Green (53%)

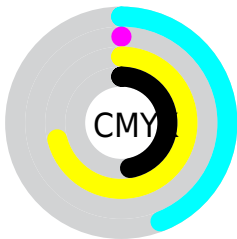
Blue (15%)



Red (15%)

Yellow (53%)

Blue (38%)

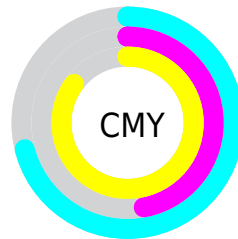


Cyan (44%)

Magenta (0%)

Yellow (71%)

Black (47%)



Cyan (71%)


Magenta (47%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 11.7930, 18.6925, 4.9059 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 11.7930, 18.6925, 4.9059 by changing the saturation by 10% instead.


 11.7930, 18.6925,
4.9059


 11.7930, 18.6925,
4.9059


196.8281,
244.7459, 157.8173


 6.6741, 11.4483,
2.1344


 28.7377, 41.2138,
16.0503


 3.3036, 6.3692,
0.6361


 41.2941, 57.2598,
25.2603


 1.3163, 3.0709,
0.0000

 57.0605, 77.0084,
37.4536

 0.1954, 1.1688,
0.0000

 76.4021, 100.8441,
53.0486

 0.0000, 0.0360,
0.0000

 99.6843, 129.1514,
72.4639

 0.0000, 0.0000,
0.0000

 127.2725,

162.3145, 96.1181

159.5319,
200.7178, 124.4298

■ 11.7930, 18.6925,
4.9059

■ 11.7930, 18.6925,
4.9059

■ 11.0003, 18.3057,
3.9077

■ 12.7503, 19.1562,
6.3222

■ 10.3588, 17.9882,
3.2805

■ 13.8814, 19.6991,
8.1946

■ 9.8795, 17.7489,
2.9052

■ 15.1962, 20.3259,
10.5585

■ 16.7036, 21.0406,
13.4451

■ 18.4115, 21.8468,
16.8833

■ 20.3277, 22.7477,
20.8998

■ 22.4594, 23.7466,
25.5195

■ 24.8133, 24.8464,
30.7659

■ 27.3961, 26.0501,
36.6612

Harmonies

Analogous

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



15.9633, 18.6925, 2.7531



11.7930, 18.6925, 4.9059



9.5786, 18.6925, 11.7450

Triad

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



11.7930, 18.6925, 4.9059



14.4304, 18.6925, 64.0304



30.2933, 18.6925, 15.4580

Complementary

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



11.7930, 18.6925, 4.9059



10.0664, 5.7695, 23.1383

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.



29.6470, 18.6925, 32.3851



11.7930, 18.6925, 4.9059



19.7010, 18.6925, 66.8758

Square

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



11.7930, 18.6925, 4.9059



10.8701, 18.6925, 46.7277



25.4783, 18.6925, 53.2169



27.0958, 18.6925, 6.4218

Rectangle

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



11.7930, 18.6925, 4.9059



9.1719, 18.6925, 20.4618



25.4783, 18.6925, 53.2169



30.5319, 18.6925, 20.2444

Sweetspot

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



11.7934, 18.6933, 4.9063



32.2572, 38.4052, 29.3745



14.5272, 13.8731, 3.8318



7.1046, 8.5756, 6.2856



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



11.7934, 18.6933, 4.9063



18.6745, 31.9030, 6.1515



9.9399, 17.7133, 5.9225



4.7708, 5.2844, 4.9979



9.2694, 16.6385, 2.7230



0.0398, 0.0616, 0.0098

Inverse Universe

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



10.0664, 5.7695, 23.1383



15.3614, 7.5920, 40.3942



14.1276, 7.9478, 19.5019



4.6914, 4.6770, 5.8562



7.4063, 3.3523, 21.3934



0.0338, 0.0158, 0.0745

Previews

White Background



This preview shows how the XYZ color 11.7930, 18.6925, 4.9059 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 11.7930, 18.6925, 4.9059 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 11.7930, 18.6925, 4.9059

Background



This preview shows how black text looks on a background with the XYZ color 11.7930, 18.6925, 4.9059.



This preview shows how white text looks on a background with the XYZ color 11.7930, 18.6925,

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

11.7930, 18.6925, 4.9059

Protanopia

16.7317, 18.3833, 4.2566

Deuteranopia

18.6310, 18.3114, 5.2418



Tritanopia

15.9232, 18.5902, 25.6707

Trichromacy



Original Color

11.7930, 18.6925, 4.9059

Protanomaly

14.3361, 18.0534, 4.3981

Deuteranomaly

15.1772, 17.9215, 5.0422

Tritanomaly

13.7657, 18.2897, 14.8613

Monochromacy



Original Color

11.7930, 18.6925, 4.9059

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

12.4877, 15.5329, 10.3226

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7930, 18.6925, 4.9059 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(75, 134, 39)` looks like.

```
.text, #text, p{  
    color:rgb(75, 134, 39)  
}
```

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(75, 134, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 134, 39) }
```

Border

The CSS property to change the border of an element to XYZ 11.7930, 18.6925, 4.9059 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(75, 134, 39) }
```


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

```
.border{ border-color:rgb(75, 134, 39) }
```

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

Here you see how a box with a 4 pixel rgb(75, 134, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 134, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 134, 39);  
box-shadow:4px 4px 4px 4px rgb(75, 134,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7930, 18.6925, 4.9059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 134, 39) }
```

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

```
.background{ background-color: rgb(75, 134,  
39) }
```

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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