

Converting Colors

XYZ(11.8450, 18.4187, 6.2100)

Have a look what the booklet for
XYZ(11.8450, 18.4187, 6.2100)
contains.

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Color

**XYZ(11.9090, 18.5188,
6.1956)**

Conversions

Conversions Part 1

Format	Color
Hex	4B8534
RGB	75, 133, 52
RGB Percent	29%, 52%, 20%
CMY	0.7059, 0.4784, 0.7961
CMYK	0.44, 0.00, 0.61, 0.48
HSL	103°, 44%, 36%
HSV	103°, 61%, 52%
XYZ	11.9090, 18.5188, 6.1956
YIQ	106.4240, -8.5670, -37.4870

Conversions

Conversions Part 2

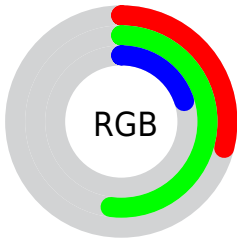
Format	Color
RYB	52, 133, 110
Decimal	4949300
CIELab	50.12, -34.80, 37.07
CIELCh	50, 50.848, 133.189
Yxy	18.5188, 0.3252, 0.5057
Android (android.graphics.Color)	4283139380 (0xFF4B8534)
YUV	106.4240, -26.8310, -27.5588
Hunter-Lab	43.0335, -25.9108, 21.5874

Details

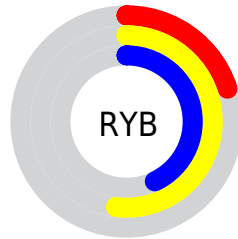
The XYZ color **11.9090, 18.5188, 6.1956** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **11.8929, 7.4650, 23.0053**, and the grayscale version is **13.8897, 14.6130, 15.9136**.

A 20% lighter version of the original color is **29.0707, 41.0892, 18.9692**, and **3.3817, 6.3352, 1.0446** is the 20% darker color. If you saturate the color by 10%, you get **10.9608, 18.0604, 4.8020**, and if you desaturate by 10%, it is **13.0541, 19.0700, 8.0399**.

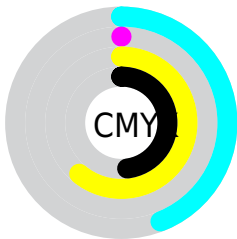
Distribution



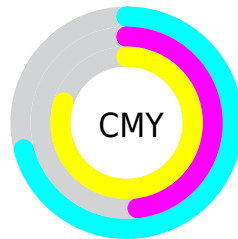
- Red (29%)
- Green (52%)
- Blue (20%)



- Red (20%)
- Yellow (52%)
- Blue (43%)



- Cyan (44%)
- Magenta (0%)
- Yellow (61%)
- Black (48%)





- Cyan (71%)
- Magenta (48%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 11.9090, 18.5188, 6.1956 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 11.9090, 18.5188, 6.1956 by changing the saturation by 10% instead.


 11.9090, 18.5188,
6.1956

 11.9090, 18.5188,
6.1956


197.5842,
243.7792, 170.1706


 6.7535, 11.3231,
2.8937


 28.9476, 40.9194,
18.8202


 3.3534, 6.2846,
1.0406


 41.5613, 56.8931,
28.9799

 1.3433, 3.0189,
0.0000

 57.3919, 76.5615,
42.2627

 0.2153, 1.1416,
0.0000

 76.8046, 100.3091,
59.0870

 0.0000, 0.0132,
0.0000

 100.1648,
128.5203, 79.8714

 0.0000, 0.0000,
0.0000

 127.8379,

161.5795, 105.0344

160.1893,
199.8710, 134.9947

■ 11.9090, 18.5188,
6.1956

■ 11.9090, 18.5188,
6.1956

■ 10.9608, 18.0604,
4.8020

■ 13.0541, 19.0700,
8.0399

■ 10.1959, 17.6871,
3.8191

■ 14.4058, 19.7167,
10.3680

■ 9.6010, 17.3934,
3.2023

■ 15.9748, 20.4643,
13.2110

■ 9.1785, 17.1833,
2.8330

■ 17.7706, 21.3170,
16.5974

■ 19.8020, 22.2788,
20.5534

■ 22.0776, 23.3535,
25.1035

■ 24.6052, 24.5448,
30.2709

■ 27.3925, 25.8560,
36.0774

■ 30.4467, 27.2906,
42.5440

Harmonies

Analogous

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



15.5384, 18.5188, 3.6509



11.9090, 18.5188, 6.1956



10.0356, 18.5188, 13.3236

Triad

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



11.9090, 18.5188, 6.1956



15.0149, 18.5188, 58.5897



28.4598, 18.5188, 14.6130

Complementary

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



11.9090, 18.5188, 6.1956



11.8929, 7.4650, 23.0053

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.



28.2480, 18.5188, 29.0174



11.9090, 18.5188, 6.1956



19.8398, 18.5188, 59.4933

Square

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



11.9090, 18.5188, 6.1956



11.5874, 18.5188, 44.8407



24.8688, 18.5188, 46.9272



25.4028, 18.5188, 6.7612

Rectangle

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



11.9090, 18.5188, 6.1956



9.7712, 18.5188, 21.7022



24.8688, 18.5188, 46.9272



28.7833, 18.5188, 18.7000

Sweetspot

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



11.9094, 18.5196, 6.1960



32.6888, 38.5835, 31.3897



15.7301, 16.1086, 5.5293



7.1668, 8.5988, 6.6912



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.



11.9094, 18.5196, 6.1960



19.0758, 32.0726, 7.8553



10.8537, 17.9257, 8.3892



4.7314, 5.2641, 4.9961



8.7495, 16.3705, 2.6987



0.0367, 0.0600, 0.0097

Inverse Universe

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



11.8929, 7.4650, 23.0053



18.9829, 10.4085, 40.7469



14.1006, 8.7226, 17.7093



4.7325, 4.6982, 5.8582



8.5595, 3.9467, 21.4474



0.0368, 0.0174, 0.0746

Previews

White Background



This preview shows how the XYZ color 11.9090, 18.5188, 6.1956 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 11.9090, 18.5188, 6.1956 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 11.9090, 18.5188, 6.1956

Background



This preview shows how black text looks on a background with the XYZ color 11.9090, 18.5188, 6.1956.



This preview shows how white text looks on a background with the XYZ color 11.9090, 18.5188,

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

11.9090, 18.5188, 6.1956

Protanopia

16.6460, 18.3126, 5.4536

Deuteranopia

18.5229, 18.2267, 6.5448



Tritanopia

15.8266, 18.5403, 25.6662

Trichromacy



Original Color

11.9090, 18.5188, 6.1956

Protanomaly

14.3176, 18.0166, 5.6287

Deuteranomaly

15.1760, 17.7115, 6.3602

Tritanomaly

13.9251, 18.3431, 16.1712

Monochromacy



Original Color

11.9090, 18.5188, 6.1956

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

12.6444, 15.5956, 11.1479

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9090, 18.5188, 6.1956 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, 133, 52)` looks like.

```
.text, #text, p{  
    color:rgb(75, 133, 52)  
}
```

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, 133, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 133, 52) }
```

Border

The CSS property to change the border of an element to XYZ 11.9090, 18.5188, 6.1956 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, 133, 52) }
```


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

```
.border{ border-color:rgb(75, 133, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 133, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 133, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 133, 52);  
box-shadow:4px 4px 4px 4px rgb(75, 133,  
52) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9090, 18.5188, 6.1956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 133, 52) }
```

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

```
.background{ background-color: rgb(75, 133,  
52) }
```

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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