

Converting Colors

XYZ(11.8562, 20.1850, 6.6388)

Have a look what the booklet for
XYZ(11.8562, 20.1850, 6.6388)
contains.

XYZ(11.8548, 20.1767, 6.6378)	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(11.8548, 20.1767,
6.6378)**

Conversions

Conversions Part 1

Format	Color
Hex	398D35
RGB	57, 141, 53
RGB Percent	22%, 55%, 21%
CMY	0.7765, 0.4470, 0.7921
CMYK	0.60, 0.00, 0.62, 0.45
HSL	117°, 45%, 38%
HSV	117°, 62%, 55%
XYZ	11.8548, 20.1767, 6.6378
YIQ	105.8520, -21.8160, -45.1760

Conversions

Conversions Part 2

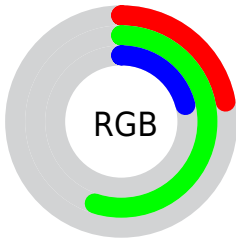
Format	Color
RYB	53, 141, 137
Decimal	3771701
CIELab	52.04, -43.44, 38.59
CIELCh	52, 58.108, 138.386
Yxy	20.1767, 0.3066, 0.5218
Android (android.graphics.Color)	4281961781 (0xFF398D35)
YUV	105.8520, -26.0560, -42.8432
Hunter-Lab	44.9185, -31.4980, 22.6814

Details

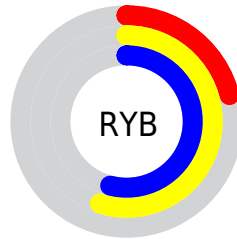
The XYZ color **11.8548, 20.1767, 6.6378** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **16.3986, 9.7885, 26.2255**, and the grayscale version is **13.7328, 14.4480, 15.7339**.

A 20% lighter version of the original color is **28.7733, 43.5202, 19.7157**, and **3.6562, 7.3123, 1.2187** is the 20% darker color. If you saturate the color by 10%, you get **10.9089, 19.7218, 5.1427**, and if you desaturate by 10%, it is **13.1006, 20.7764, 8.6461**.

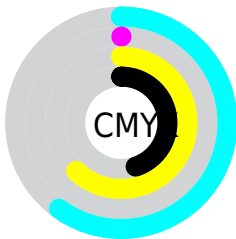
Distribution



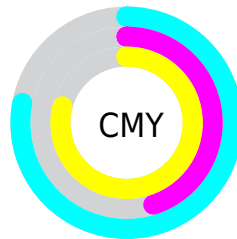
- Red (22%)
- Green (55%)
- Blue (21%)



- Red (21%)
- Yellow (55%)
- Blue (54%)



- Cyan (60%)
- Magenta (0%)
- Yellow (62%)
- Black (45%)





- Cyan (78%)
- Magenta (45%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 11.8548, 20.1767, 6.6378 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 11.8548, 20.1767, 6.6378 by changing the saturation by 10% instead.


 11.8548, 20.1767,
6.6378


 11.8548, 20.1767,
6.6378


197.2313,
252.8701, 174.1343

 6.7164, 12.5236,
3.1616


 28.8495, 43.7132,
19.7411


 3.3301, 7.1013,
1.1778


 41.4366, 60.3654,
30.2053


 1.3306, 3.5255,
0.0000

 57.2372, 80.7861,
43.8359

 0.2060, 1.4119,
0.0000

 76.6167, 105.3596,
61.0515

 0.0000, 0.2254,
0.0000

 99.9405, 134.4703,
82.2706

 0.0000, 0.0000,
0.0000

 127.5740,

168.5027, 107.9117

159.8824,
207.8412, 138.3935

■ 11.8548, 20.1767,
6.6378

■ 11.8548, 20.1767,
6.6378

■ 10.9089, 19.7218,
5.1427

■ 13.1006, 20.7764,
8.6461

■ 10.2364, 19.3972,
4.1130

■ 14.6671, 21.5289,
11.2070

■ 9.8084, 19.1898,
3.4947

■ 16.5749, 22.4446,
14.3575

■ 9.6055, 19.0920,
3.1789

■ 18.8427, 23.5325,
18.1313

■ 21.4875, 24.8007,
22.5592

■ 24.5255, 26.2569,
27.6702

■ 27.9717, 27.9082,
33.4915

■ 31.8405, 29.7615,
40.0489

■ 36.1456, 31.8234,
47.3667

Harmonies

Analogous

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



15.8018, 20.1767, 3.2693



11.8548, 20.1767, 6.6378



10.0381, 20.1767, 16.0300

Triad

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



11.8548, 20.1767, 6.6378



16.9727, 20.1767, 71.9750



32.1567, 20.1767, 13.1966

Complementary

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



11.8548, 20.1767, 6.6378



16.3986, 9.7885, 26.2255

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.



32.6511, 20.1767, 29.2190



11.8548, 20.1767, 6.6378



23.0023, 20.1767, 69.7958

Square

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



11.8548, 20.1767, 6.6378



12.5592, 20.1767, 56.5331



29.0250, 20.1767, 51.5658



27.7879, 20.1767, 5.4842

Rectangle

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



11.8548, 20.1767, 6.6378



9.9658, 20.1767, 27.0825



29.0250, 20.1767, 51.5658



32.8103, 20.1767, 17.5434

Sweetspot

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



11.8553, 20.1775, 6.6383



35.0927, 42.7885, 34.7245



20.5170, 23.6987, 6.8614



7.5832, 9.4347, 7.3299



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



11.8553, 20.1775, 6.6383



18.9728, 35.0457, 8.3390



12.9519, 20.5909, 13.5557



5.3641, 6.0403, 5.7726



8.7618, 17.4094, 2.8986



0.0874, 0.1683, 0.0279

Inverse Universe

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



16.3986, 9.7885, 26.2255



27.7932, 14.7779, 46.5154



14.6270, 9.1569, 13.4121



5.6024, 5.4987, 6.7948



13.4387, 6.4215, 23.5083



0.1333, 0.0639, 0.2250

Previews

White Background



This preview shows how the XYZ color 11.8548, 20.1767, 6.6378 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 11.8548, 20.1767, 6.6378 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 11.8548, 20.1767, 6.6378

Background



This preview shows how black text looks on a background with the XYZ color 11.8548, 20.1767, 6.6378.



This preview shows how white text looks on a background with the XYZ color 11.8548, 20.1767,

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

11.8548, 20.1767, 6.6378

Protanopia

18.2224, 20.0320, 5.7024

Deuteranopia

20.1258, 19.7242, 7.0214



Tritanopia

16.3511, 20.1054, 29.0055

Trichromacy



Original Color

11.8548, 20.1767, 6.6378



Protanomaly

14.8650, 19.4468, 5.9877



Deuteranomaly

15.5355, 18.9990, 6.7193



Tritanomaly

14.0042, 19.7558, 17.8270

Monochromacy



Original Color

11.8548, 20.1767, 6.6378



Achromatopsia

13.6994, 14.4128, 15.6956



Achromatomaly

12.3416, 15.9565, 11.4463

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8548, 20.1767, 6.6378 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, 141, 53)` looks like.

```
.text, #text, p{  
    color:rgb(57, 141, 53)  
}
```

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, 141, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 141, 53) }
```

Border

The CSS property to change the border of an element to XYZ 11.8548, 20.1767, 6.6378 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, 141, 53) }
```


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

```
.border{ border-color:rgb(57, 141, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 141, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 141, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 141, 53);  
box-shadow:4px 4px 4px 4px rgb(57, 141,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8548, 20.1767, 6.6378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 141, 53) }
```

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

```
.background{ background-color: rgb(57, 141,  
53) }
```

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