

Converting Colors

XYZ(11.7234, 18.2450, 11.6056)

Have a look what the booklet for
XYZ(11.7234, 18.2450, 11.6056)
contains.

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Color

**XYZ(11.7546, 18.3168,
11.7201)**

Conversions

Conversions Part 1

Format	Color
Hex	398556
RGB	57, 133, 86
RGB Percent	22%, 52%, 34%
CMY	0.7765, 0.4784, 0.6627
CMYK	0.57, 0.00, 0.35, 0.48
HSL	143°, 40%, 37%
HSV	143°, 57%, 52%
XYZ	11.7546, 18.3168, 11.7201
YIQ	104.9180, -30.2090, -30.7290

Conversions

Conversions Part 2

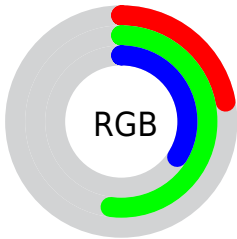
Format	Color
RYB	57, 112, 133
Decimal	3769686
CIELab	49.88, -34.85, 18.45
CIElCh	50, 39.427, 152.107
Yxy	18.3168, 0.2813, 0.4383
Android (android.graphics.Color)	4281959766 (0xFF398556)
YUV	104.9180, -9.3266, -42.0241
Hunter-Lab	42.7981, -25.8713, 13.7224

Details

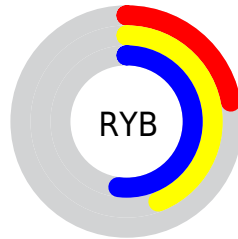
The XYZ color **11.7546, 18.3168, 11.7201** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **13.6353, 8.9127, 14.0990**, and the grayscale version is **13.4358, 14.1355, 15.3935**.

A 20% lighter version of the original color is **28.7698, 40.6977, 29.6317**, and **3.4763, 6.3397, 3.0480** is the 20% darker color. If you saturate the color by 10%, you get **10.7809, 17.8515, 10.0432**, and if you desaturate by 10%, it is **12.9661, 18.9013, 13.6080**.

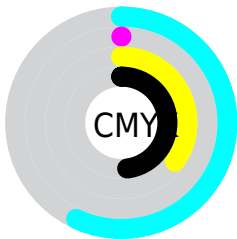
Distribution



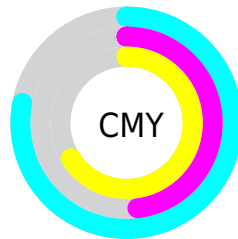
- Red (22%)
- Green (52%)
- Blue (34%)



- Red (22%)
- Yellow (44%)
- Blue (52%)



- Cyan (57%)
- Magenta (0%)
- Yellow (35%)
- Black (48%)



- Cyan (78%)
- Magenta (48%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7546, 18.3168, 11.7201 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 11.7546, 18.3168, 11.7201 by changing the saturation by 10% instead.

■ 11.7546, 18.3168,
11.7201

■ 11.7546, 18.3168,
11.7201

196.5771,
242.6507, 213.4551

■ 6.6478, 11.1777,
6.4332

■ 28.6681, 40.5764,
29.6410

■ 3.2872, 6.1865,
3.0372

■ 41.2056, 56.4657,
43.1121

■ 1.3074, 2.9588,
1.1137

■ 56.9506, 76.0405,
60.1483

■ 0.1887, 1.1103,
0.0000

■ 76.2686, 99.6851,
81.1682

■ 0.0000, 0.0000,
0.0000

■ 99.5249, 127.7841,
106.5902

■ 127.0848,

160.7217, 136.8330

159.3138,
198.8825, 172.3152

■ 11.7546, 18.3168,
11.7201

■ 11.7546, 18.3168,
11.7201

■ 10.7809, 17.8515,
10.0432

■ 12.9661, 18.9013,
13.6080

■ 10.0264, 17.4944,
8.5687

■ 14.4293, 19.6105,
15.7129

■ 9.4720, 17.2363,
7.2888

■ 16.1587, 20.4524,
18.0419

■ 9.0804, 17.0582,
6.1943

■ 18.1674, 21.4333,
20.6016

■ 8.9799, 17.0126,
5.9137

■ 20.4675, 22.5595,
23.3980

■ 23.0702, 23.8367,
26.4371

■ 25.9864, 25.2703,
29.7248

■ 29.2263, 26.8655,
33.2665

■ 32.7996, 28.6272,
37.0676

Harmonies

Analogous

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



13.8327, 18.3168, 7.0172



11.7546, 18.3168, 11.7201



11.1217, 18.3168, 20.7171

Triad

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



11.7546, 18.3168, 11.7201



17.6775, 18.3168, 48.7306



24.3031, 18.3168, 10.8167

Complementary

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



11.7546, 18.3168, 11.7201



13.6353, 8.9127, 14.0990

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.



25.7086, 18.3168, 19.1902



11.7546, 18.3168, 11.7201



21.5553, 18.3168, 43.2160

Square

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



11.7546, 18.3168, 11.7201



14.2326, 18.3168, 44.5070



24.6376, 18.3168, 31.3233



21.0273, 18.3168, 6.6436

Rectangle

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



11.7546, 18.3168, 11.7201



11.5181, 18.3168, 28.8253



24.6376, 18.3168, 31.3233



25.0297, 18.3168, 13.1045

Sweetspot

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



11.7551, 18.3175, 11.7205



32.4391, 38.3353, 36.7750



14.9680, 20.0826, 6.9585



7.1675, 8.5678, 8.1092



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.



11.7551, 18.3175, 11.7205



18.8002, 31.7269, 17.0399



13.6423, 19.0724, 21.6583



4.6844, 5.2320, 5.3492



8.5569, 16.2056, 5.6522



0.0330, 0.0575, 0.0373

Inverse Universe

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



13.6353, 8.9127, 14.0990



22.5095, 13.0972, 21.6762



12.1536, 8.3200, 6.2968



4.7845, 4.7335, 5.4778



10.6774, 5.3353, 8.1393



0.0406, 0.0199, 0.0470

Previews

White Background



This preview shows how the XYZ color 11.7546, 18.3168, 11.7201 looks on a white 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

Black Background



This preview shows how the XYZ color 11.7546, 18.3168, 11.7201 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 11.7546, 18.3168, 11.7201

Background



This preview shows how black text looks on a background with the XYZ color 11.7546, 18.3168, 11.7201.



This preview shows how white text looks on a background with the XYZ color 11.7546, 18.3168,

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

11.7546, 18.3168, 11.7201

Protanopia

16.8285, 18.1252, 10.2010

Deuteranopia

18.2318, 17.9517, 12.1770



Tritanopia

14.7772, 18.3626, 26.4324

Trichromacy



Original Color

11.7546, 18.3168, 11.7201

Protanomaly

14.0854, 17.5999, 10.6374

Deuteranomaly

14.8263, 17.4054, 12.0293

Tritanomaly

13.4350, 18.2018, 19.9447

Monochromacy



Original Color

11.7546, 18.3168, 11.7201

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.3598, 15.2180, 13.8412

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7546, 18.3168, 11.7201 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, 133, 86)` looks like.

```
.text, #text, p{  
    color:rgb(57, 133, 86)  
}
```

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, 133, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 133, 86) }
```

Border

The CSS property to change the border of an element to XYZ 11.7546, 18.3168, 11.7201 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, 133, 86) }
```


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

```
.border{ border-color:rgb(57, 133, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 133, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 133, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 133, 86);  
box-shadow:4px 4px 4px 4px rgb(57, 133,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7546, 18.3168, 11.7201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 133, 86) }
```

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

```
.background{ background-color: rgb(57, 133,  
86) }
```

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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