

Converting Colors

XYZ(12.0216, 12.4030, 3.3228)

Have a look what the booklet for
XYZ(12.0216, 12.4030, 3.3228)
contains.

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Color

**XYZ(11.9575, 12.3386,
3.3415)**

Conversions

Conversions Part 1

Format	Color
Hex	766023
RGB	118, 96, 35
RGB Percent	46%, 38%, 14%
CMY	0.5373, 0.6235, 0.8627
CMYK	0.00, 0.19, 0.70, 0.54
HSL	44°, 54%, 30%
HSV	44°, 70%, 46%
XYZ	11.9575, 12.3386, 3.3415
YIQ	95.6240, 32.6930, -14.3070

Conversions

Conversions Part 2

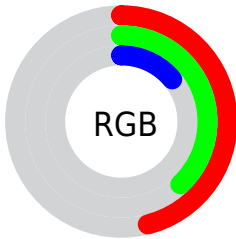
Format	Color
RYB	65, 118, 35
Decimal	7757859
CIELab	41.75, 1.62, 36.95
CIELCh	42, 36.986, 87.494
Yxy	12.3386, 0.4327, 0.4464
Android (android.graphics.Color)	4285947939 (0xFF766023)
YUV	95.6240, -29.8876, 19.6238
Hunter-Lab	35.1263, -0.7072, 18.9483

Details

The XYZ color **11.9575, 12.3386, 3.3415** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **5.4264, 4.5916, 17.7399**, and the grayscale version is **11.0919, 11.6695, 12.7081**.

A 20% lighter version of the original color is **29.0738, 30.0665, 12.4547**, and **3.4553, 3.4745, 0.4885** is the 20% darker color. If you saturate the color by 10%, you get **11.5314, 11.7211, 2.4759**, and if you desaturate by 10%, it is **12.4546, 13.0036, 4.5220**.

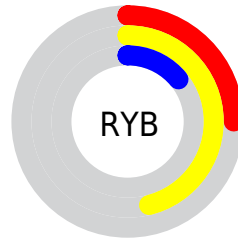
Distribution



Red (46%)

Green (38%)

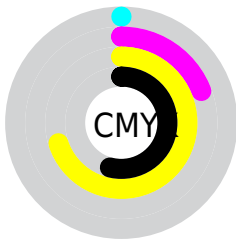
Blue (14%)



Red (25%)

Yellow (46%)

Blue (14%)

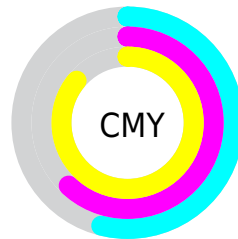


Cyan (0%)

Magenta (19%)

Yellow (70%)

Black (54%)



Cyan (54%)

Magenta (62%)

Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9575, 12.3386, 3.3415 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 11.9575, 12.3386, 3.3415 by changing the saturation by 10% instead.

■ 11.9575, 12.3386,
3.3415

■ 11.9575, 12.3386,
3.3415

197.8994,
206.6342, 140.5979

■ 6.7867, 6.9747,
1.2715

■ 29.0352, 30.1103,
12.4601

■ 3.3742, 3.4463,
0.0383

■ 41.6729, 43.2869,
20.3458

■ 1.3546, 1.3689,
0.0000

■ 57.5302, 59.8366,
31.0072

■ 0.2235, 0.1937,
0.0000

■ 76.9725, 80.1437,
44.8627

■ 0.0000, 0.0000,
0.0000

■ 100.3653,
104.5926, 62.3311

■ 128.0738,

133.5677, 83.8307

160.4634,
167.4535, 109.7801

11.9575, 12.3386,
3.3415

11.9575, 12.3386,
3.3415

11.5314, 11.7211,
2.4759

12.4546, 13.0036,
4.5220

11.1690, 11.1466,
1.8918

13.0271, 13.7167,
6.0448

10.8573, 10.6237,
1.4783

13.6804, 14.4807,
7.9352

14.4187, 15.2974,
10.2158

15.2463, 16.1688,
12.9076

■ 16.1667, 17.0966,
16.0297

■ 17.1837, 18.0822,
19.6005

■ 18.3006, 19.1274,
23.6368

■ 19.5205, 20.2335,
28.1550

Harmonies

Analogous

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



14.7670, 12.3386, 4.3509



11.9575, 12.3386, 3.3415



9.4758, 12.3386, 4.0494

Triad

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



11.9575, 12.3386, 3.3415



7.6746, 12.3386, 21.5996



16.7117, 12.3386, 23.1931

Complementary

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



11.9575, 12.3386, 3.3415



5.4264, 4.5916, 17.7399

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.



14.3102, 12.3386, 31.5722



11.9575, 12.3386, 3.3415



9.1366, 12.3386, 30.4293

Square

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



11.9575, 12.3386, 3.3415



7.2417, 12.3386, 12.7907



11.5004, 12.3386, 34.6295



17.7638, 12.3386, 14.0999

Rectangle

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



11.9575, 12.3386, 3.3415



8.2803, 12.3386, 5.6454



11.5004, 12.3386, 34.6295



16.0189, 12.3386, 26.3018

Sweetspot

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



11.9578, 12.3392, 3.3417



26.6269, 28.2432, 22.0955



8.8142, 5.3505, 4.4568



6.0490, 6.4177, 4.8401



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



11.9578, 12.3392, 3.3417



19.8962, 20.0191, 3.7060



11.8876, 15.7104, 3.9961



3.8885, 4.1099, 3.9306



11.7356, 11.4724, 1.5959



56.4601, 54.4486, 7.5339

Inverse Universe

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



5.4264, 4.5916, 17.7399



7.6785, 5.5811, 30.8096



5.4123, 3.3047, 17.4922



3.5723, 3.7333, 4.6225



4.0661, 2.4720, 18.8054



19.2015, 10.8195, 91.4366

Previews

White Background



This preview shows how the XYZ color 11.9575, 12.3386, 3.3415 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 11.9575, 12.3386, 3.3415 looks on a black 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

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

XYZ 11.9575, 12.3386, 3.3415

Background



This preview shows how black text looks on a background with the XYZ color 11.9575, 12.3386, 3.3415.



This preview shows how white text looks on a background with the XYZ color 11.9575, 12.3386,

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

11.9575, 12.3386, 3.3415

Protanopia

11.2107, 12.3661, 3.4651

Deuteranopia

12.4895, 12.3437, 3.3934



Tritanopia

13.9822, 12.3863, 12.9631

Trichromacy



Original Color

11.9575, 12.3386, 3.3415

Protanomaly

11.4962, 12.3735, 3.4515

Deuteranomaly

12.2958, 12.3767, 3.4100

Tritanomaly

12.9483, 12.2137, 8.1536

Monochromacy



Original Color

11.9575, 12.3386, 3.3415

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

11.1278, 11.8032, 8.1703

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9575, 12.3386, 3.3415 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(118, 96, 35)` looks like.

```
.text, #text, p{  
    color:rgb(118, 96, 35)  
}
```

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(118, 96, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 96, 35) }
```

Border

The CSS property to change the border of an element to XYZ 11.9575, 12.3386, 3.3415 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(118, 96, 35) }
```


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

```
.border{ border-color:rgb(118, 96, 35) }
```

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

Here you see how a box with a 4 pixel rgb(118, 96, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 96, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 96, 35);  
box-shadow:4px 4px 4px 4px rgb(118, 96,  
35) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9575, 12.3386, 3.3415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 96, 35) }
```

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

```
.background{ background-color: rgb(118, 96,  
35) }
```

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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