

Converting Colors

XYZ(11.9206, 15.3712, 16.1601)

Have a look what the booklet for
XYZ(11.9206, 15.3712, 16.1601)
contains.

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Color

**XYZ(12.0339, 15.5143,
16.2702)**

Conversions

Conversions Part 1

Format	Color
Hex	4B766B
RGB	75, 118, 107
RGB Percent	29%, 46%, 42%
CMY	0.7059, 0.5372, 0.5804
CMYK	0.36, 0.00, 0.09, 0.54
HSL	165°, 22%, 38%
HSV	165°, 36%, 46%
XYZ	12.0339, 15.5143, 16.2702
YIQ	103.8890, -22.0970, -12.5370

Conversions

Conversions Part 2

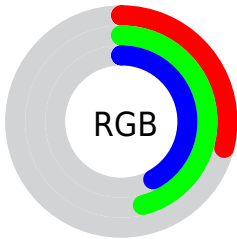
Format	Color
RYB	75, 100, 118
Decimal	4945515
CIELab	46.33, -17.60, 1.34
CIElCh	46, 17.649, 175.658
Yxy	15.5143, 0.2746, 0.3541
Android (android.graphics.Color)	4283135595 (0xFF4B766B)
YUV	103.8890, 1.5337, -25.3357
Hunter-Lab	39.3882, -14.3939, 3.0806

Details

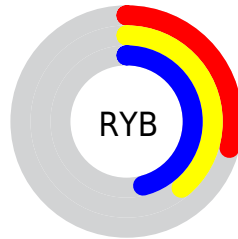
The XYZ color **12.0339, 15.5143, 16.2702** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.6675, 9.5559, 10.0342**, and the grayscale version is **13.1290, 13.8127, 15.0421**.

A 20% lighter version of the original color is **29.1505, 35.6537, 37.6932**, and **3.3957, 4.8155, 5.0255** is the 20% darker color. If you saturate the color by 10%, you get **11.0392, 15.0200, 15.4092**, and if you desaturate by 10%, it is **13.2062, 16.1004, 17.1692**.

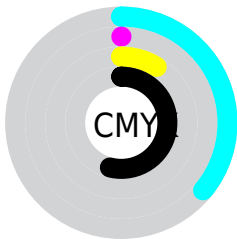
Distribution



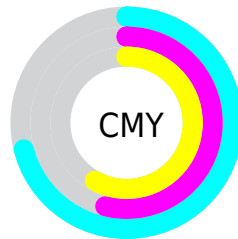
- Red (29%)
- Green (46%)
- Blue (42%)



- Red (29%)
- Yellow (39%)
- Blue (46%)



- Cyan (36%)
- Magenta (0%)
- Yellow (9%)
- Black (54%)



- Cyan (71%)
- Magenta (54%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0339, 15.5143, 16.2702 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 12.0339, 15.5143, 16.2702 by changing the saturation by 10% instead.

■ 12.0339, 15.5143,
16.2702

■ 12.0339, 15.5143,
16.2702

■ 198.3949,
226.4584, 242.8308

■ 6.8391, 9.1811,
9.5591

■ 29.1732, 35.7529,
37.8399

■ 3.4071, 4.8595,
5.0059

■ 41.8483, 50.4272,
53.5357

■ 1.3725, 2.1651,
2.1919

■ 57.7477, 68.6505,
73.0635

■ 0.2365, 0.7008,
0.6697

■ 77.2367, 90.8075,
96.8417

■ 0.0000, 0.0000,
0.0000

■ 100.6805,
117.2823, 125.2890

128.4446,

148.4595, 158.8240

160.8943,
184.7234, 197.8650

■ 12.0339, 15.5143,
16.2702

■ 12.0339, 15.5143,
16.2702

■ 11.0392, 15.0200,
15.4092

■ 13.2062, 16.1004,
17.1692

■ 10.2114, 14.6106,
14.5843

■ 14.5637, 16.7809,
18.1057

■ 9.5403, 14.2814,
13.7951

■ 16.1150, 17.5606,
19.0809

■ 9.0143, 14.0264,
13.0408

■ 17.8678, 18.4436,
20.0952

■ 8.6201, 13.8387,
12.3204

■ 19.8294, 19.4335,
21.1495

■ 8.3297, 13.7039,
11.6324

■ 22.0067, 20.5340,
22.2442

■ 8.2324, 13.6590,
11.3944

■ 24.4064, 21.7484,
23.3799

■ 27.0346, 23.0800,
24.5572

■ 29.8976, 24.5319,
25.7766

Harmonies

Analogous

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



12.4742, 15.5143, 12.6190



12.0339, 15.5143, 16.2702



12.2785, 15.5143, 20.7584

Triad

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



12.0339, 15.5143, 16.2702



16.0403, 15.5143, 25.5596



16.4467, 15.5143, 10.9103

Complementary

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



12.0339, 15.5143, 16.2702



11.6675, 9.5559, 10.0342

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.



17.5235, 15.5143, 13.5389



12.0339, 15.5143, 16.2702



17.2778, 15.5143, 22.0357

Square

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



12.0339, 15.5143, 16.2702



14.5270, 15.5143, 26.6241



17.8375, 15.5143, 17.5303



14.9670, 15.5143, 9.8786

Rectangle

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



12.0339, 15.5143, 16.2702



12.8066, 15.5143, 23.5710



17.8375, 15.5143, 17.5303



16.8716, 15.5143, 11.6120

Sweetspot

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



12.0343, 15.5149, 16.2706



26.9726, 30.1911, 32.7118



11.6297, 15.4662, 9.0291



6.1379, 6.9095, 7.4809



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.



12.0343, 15.5149, 16.2706



19.6276, 26.5170, 27.2932



11.5312, 13.5225, 19.1427



3.7452, 4.1400, 4.4922



8.9007, 14.7743, 12.2993



43.0137, 71.8527, 58.0365

Inverse Universe

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



11.6675, 9.5559, 10.0342



18.8825, 14.3542, 14.5820



11.9928, 10.8622, 8.1213



3.7189, 3.7148, 4.0463



8.3343, 4.2674, 1.7027



40.3121, 20.6750, 6.7069

Previews

White Background



This preview shows how the XYZ color 12.0339, 15.5143, 16.2702 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 12.0339, 15.5143, 16.2702 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 12.0339, 15.5143, 16.2702

Background



This preview shows how black text looks on a background with the XYZ color 12.0339, 15.5143, 16.2702.



This preview shows how white text looks on a background with the XYZ color 12.0339, 15.5143,

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

12.0339, 15.5143, 16.2702

Protanopia

14.6770, 15.4073, 14.7707

Deuteranopia

15.7142, 15.4269, 16.9013



Tritanopia

13.0569, 15.4044, 21.6872

Trichromacy



Original Color

12.0339, 15.5143, 16.2702

Protanomaly

13.4385, 15.2405, 15.3301

Deuteranomaly

14.0452, 15.1990, 16.6614

Tritanomaly

12.6573, 15.4185, 19.4485

Monochromacy



Original Color

12.0339, 15.5143, 16.2702

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.5326, 14.2844, 15.4612

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0339, 15.5143, 16.2702 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, 118, 107)` looks like.

```
.text, #text, p{  
    color:rgb(75, 118, 107)  
}
```

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, 118, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 118, 107) }
```

Border

The CSS property to change the border of an element to XYZ 12.0339, 15.5143, 16.2702 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, 118, 107) }
```


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

```
.border{ border-color:rgb(75, 118, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 118, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 118, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 118, 107);  
box-shadow:4px 4px 4px 4px rgb(75, 118,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0339, 15.5143, 16.2702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 118, 107) }
```

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

```
.background{ background-color: rgb(75, 118,  
107) }
```

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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