

Converting Colors

XYZ(11.2453, 16.4457, 12.9578)

Have a look what the booklet for
XYZ(11.2453, 16.4457, 12.9578)
contains.

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Color

**XYZ(11.2339, 16.4496,
12.9389)**

Conversions

Conversions Part 1

Format	Color
Hex	3D7D5D
RGB	61, 125, 93
RGB Percent	24%, 49%, 36%
CMY	0.7608, 0.5098, 0.6353
CMYK	0.51, 0.00, 0.26, 0.51
HSL	150°, 34%, 36%
HSV	150°, 51%, 49%
XYZ	11.2339, 16.4496, 12.9389
YIQ	102.2160, -27.8720, -23.5200

Conversions

Conversions Part 2

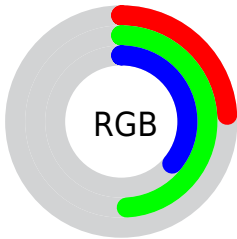
Format	Color
RYB	61, 104, 125
Decimal	4029789
CIELab	47.56, -28.58, 11.26
CIELCh	48, 30.720, 158.505
Yxy	16.4496, 0.2765, 0.4049
Android (android.graphics.Color)	4282219869 (0xFF3D7D5D)
YUV	102.2160, -4.5435, -36.1464
Hunter-Lab	40.5581, -21.5352, 9.4759

Details

The XYZ color **11.2339, 16.4496, 12.9389** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **12.1026, 8.4883, 11.3573**, and the grayscale version is **12.7030, 13.3645, 14.5539**.

A 20% lighter version of the original color is **27.6884, 37.3347, 31.7336**, and **3.0417, 5.2438, 3.5412** is the 20% darker color. If you saturate the color by 10%, you get **10.2868, 15.9925, 11.5082**, and if you desaturate by 10%, it is **12.3840, 17.0096, 14.4980**.

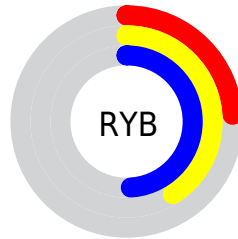
Distribution



Red (24%)

Green (49%)

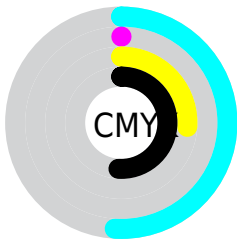
Blue (36%)



Red (24%)

Yellow (41%)

Blue (49%)

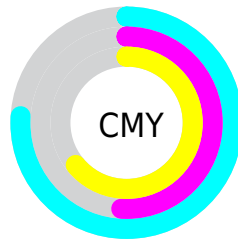


Cyan (51%)

Magenta (0%)

Yellow (26%)

Black (51%)



Cyan (76%)

Magenta (51%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.2339, 16.4496, 12.9389 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 11.2339, 16.4496, 12.9389 by changing the saturation by 10% instead.

■ 11.2339, 16.4496,
12.9389

■ 11.2339, 16.4496,
12.9389

■ 193.1406,
231.9803, 221.7198

■ 6.2928, 9.8429,
7.2563

■ 27.7210, 37.3770,
31.8835

■ 3.0663, 5.2949,
3.5420

■ 39.9978, 52.4664,
45.9826

■ 1.1889, 2.4213,
1.3776

■ 55.4505, 71.1522,
63.7243

■ 0.0976, 0.8368,
0.1242

■ 74.4445, 93.8188,
85.5270

■ 0.0000, 0.0000,
0.0000

■ 97.3452, 120.8504,
111.8094

■ 124.5178,

152.6317, 142.9899

156.3279,
189.5468, 179.4872

■ 11.2339, 16.4496,
12.9389

■ 11.2339, 16.4496,
12.9389

■ 10.2868, 15.9925,
11.5082

■ 12.3840, 17.0096,
14.4980

■ 9.5280, 15.6295,
10.2013

■ 13.7476, 17.6766,
16.1876

■ 8.9433, 15.3537,
9.0150

■ 15.3362, 18.4568,
18.0112

■ 8.5153, 15.1563,
7.9454

■ 17.1600, 19.3556,
19.9719

■ 8.2171, 15.0210,
7.0957

■ 19.2286, 20.3776,
22.0725

■ 21.5510, 21.5276,
24.3160

■ 24.1357, 22.8098,
26.7050

■ 26.9909, 24.2286,
29.2422

■ 30.1244, 25.7877,
31.9301

Harmonies

Analogous

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



12.5836, 16.4496, 8.5200



11.2339, 16.4496, 12.9389



10.9886, 16.4496, 20.2322

Triad

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



11.2339, 16.4496, 12.9389



16.4257, 16.4496, 37.3204



20.1225, 16.4496, 10.0744

Complementary

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



11.2339, 16.4496, 12.9389



12.1026, 8.4883, 11.3573

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.



21.4348, 16.4496, 15.7742



11.2339, 16.4496, 12.9389



19.1433, 16.4496, 32.4736

Square

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



11.2339, 16.4496, 12.9389



13.7857, 16.4496, 35.8999



21.0570, 16.4496, 24.0167



17.6424, 16.4496, 7.2333

Rectangle

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



11.2339, 16.4496, 12.9389



11.4533, 16.4496, 26.1040



21.0570, 16.4496, 24.0167



20.7273, 16.4496, 11.6411

Sweetspot

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



11.2343, 16.4503, 12.9393



29.3161, 33.9634, 34.2714



12.7994, 17.3880, 7.0969



6.5406, 7.6625, 7.6581



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



11.2343, 16.4503, 12.9393



18.2287, 28.5455, 20.2967



12.8925, 17.1135, 21.6711



4.3587, 4.8518, 5.0601



8.5723, 15.6755, 7.3867



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.1026, 8.4883, 11.3573



19.9635, 12.6368, 17.1358



10.9980, 8.0465, 5.5409



4.4104, 4.3773, 4.9658



9.7454, 4.9179, 5.2493



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 11.2339, 16.4496, 12.9389 looks on a white background.

Color Contrast Check

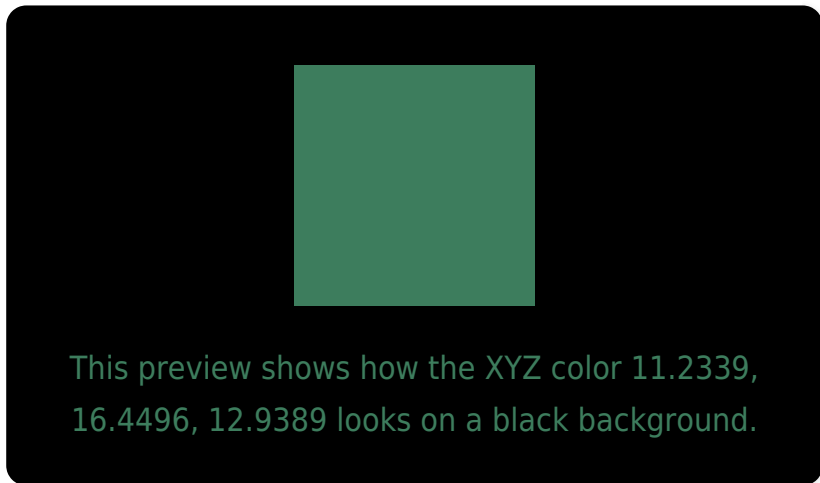
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 11.2339, 16.4496, 12.9389

Background



This preview shows how black text looks on a background with the XYZ color 11.2339, 16.4496, 12.9389.



This preview shows how white text looks on a background with the XYZ color 11.2339, 16.4496,

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

11.2339, 16.4496, 12.9389

Protanopia

15.2602, 16.2695, 11.3529

Deuteranopia

16.5735, 16.2553, 13.5733



Tritanopia

13.3443, 16.3842, 23.5783

Trichromacy



Original Color

11.2339, 16.4496, 12.9389

Protanomaly

13.3101, 16.0965, 11.8566

Deuteranomaly

13.8376, 15.8222, 13.3910

Tritanomaly

12.4852, 16.3967, 19.3365

Monochromacy



Original Color

11.2339, 16.4496, 12.9389

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

11.7585, 14.0789, 13.9021

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.2339, 16.4496, 12.9389 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(61, 125, 93)` looks like.

```
.text, #text, p{  
    color:rgb(61, 125, 93)  
}
```

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(61, 125, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 125, 93) }
```

Border

The CSS property to change the border of an element to XYZ 11.2339, 16.4496, 12.9389 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(61, 125, 93) }
```


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

```
.border{ border-color:rgb(61, 125, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 125, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 125, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 125, 93);  
box-shadow:4px 4px 4px 4px rgb(61, 125,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 11.2339, 16.4496, 12.9389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 125, 93) }
```

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

```
.background{ background-color: rgb(61, 125,  
93) }
```

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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