

Converting Colors

XYZ(11.9235, 15.6330, 16.2998)

Have a look what the booklet for
XYZ(11.9235, 15.6330, 16.2998)
contains.

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Color

**XYZ(11.9232, 15.6329,
16.2990)**

Conversions

Conversions Part 1

Format	Color
Hex	48776B
RGB	72, 119, 107
RGB Percent	28%, 47%, 42%
CMY	0.7176, 0.5333, 0.5804
CMYK	0.39, 0.00, 0.10, 0.53
HSL	165°, 25%, 37%
HSV	165°, 39%, 47%
XYZ	11.9232, 15.6329, 16.2990
YIQ	103.5790, -24.1600, -13.6960

Conversions

Conversions Part 2

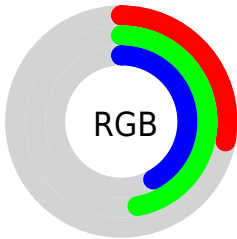
Format	Color
RYB	72, 99, 119
Decimal	4749163
CIELab	46.49, -19.05, 1.55
CIElCh	46, 19.116, 175.359
Yxy	15.6329, 0.2719, 0.3565
Android (android.graphics.Color)	4282939243 (0xFF48776B)
YUV	103.5790, 1.6866, -27.6948
Hunter-Lab	39.5385, -15.3639, 3.2357

Details

The XYZ color **11.9232, 15.6329, 16.2990** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.5259, 9.1973, 9.5560**, and the grayscale version is **13.0464, 13.7258, 14.9474**.

A 20% lighter version of the original color is **28.9028, 35.8054, 37.7355**, and **3.3591, 4.8887, 5.0415** is the 20% darker color. If you saturate the color by 10%, you get **10.9635, 15.1567, 15.4344**, and if you desaturate by 10%, it is **13.0612, 16.2011, 17.2019**.

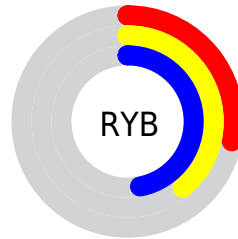
Distribution



Red (28%)

Green (47%)

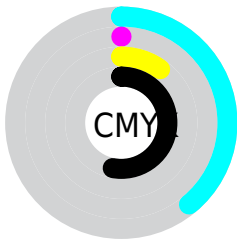
Blue (42%)



Red (28%)

Yellow (39%)

Blue (47%)

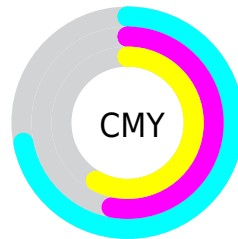


Cyan (39%)

Magenta (0%)

Yellow (10%)

Black (53%)



Cyan (72%)

Magenta (53%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9232, 15.6329, 16.2990 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 11.9232, 15.6329, 16.2990 by changing the saturation by 10% instead.

■ 11.9232, 15.6329,
16.2990

■ 11.9232, 15.6329,
16.2990

197.6765,
227.1657, 243.0053

■ 6.7632, 9.2648,
9.5793

■ 28.9732, 35.9597,
37.8905

■ 3.3595, 4.9143,
5.0190

■ 41.5940, 50.6872,
53.5994

■ 1.3466, 2.1971,
2.1995

■ 57.4324, 68.9699,
73.1418

■ 0.2177, 0.7184,
0.6741

■ 76.8538, 91.1922,
96.9363

■ 0.0000, 0.0000,
0.0000

■ 100.2236,
117.7386, 125.4013

127.9070,

148.9933, 158.9555

160.2696,
185.3409, 198.0173

■ 11.9232, 15.6329,
16.2990

■ 11.9232, 15.6329,
16.2990

■ 10.9635, 15.1567,
15.4344

■ 13.0612, 16.2011,
17.2019

■ 10.1708, 14.7656,
14.6064

■ 14.3853, 16.8643,
18.1429

■ 9.5344, 14.4544,
13.8143

■ 15.9046, 17.6274,
19.1229

■ 9.0420, 14.2167,
13.0575

■ 17.6270, 18.4946,
20.1426

■ 8.6792, 14.0453,
12.3348

■ 19.5602, 19.4697,
21.2026

■ 8.3981, 13.9154,
11.6438

■ 21.7113, 20.5565,
22.3036

■ 8.3842, 13.9090,
11.6097

■ 24.0872, 21.7585,
23.4462

■ 26.6944, 23.0790,
24.6308

■ 29.5390, 24.5213,
25.8582

Harmonies

Analogous

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



12.4049, 15.6329, 12.3734



11.9232, 15.6329, 16.2990



12.1793, 15.6329, 21.2043

Triad

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



11.9232, 15.6329, 16.2990



16.2551, 15.6329, 26.5915



16.7304, 15.6329, 10.6026

Complementary

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



11.9232, 15.6329, 16.2990



11.5259, 9.1973, 9.5560

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.



17.9046, 15.6329, 13.4286



11.9232, 15.6329, 16.2990



17.6163, 15.6329, 22.7085

Square

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



11.9232, 15.6329, 16.2990



14.6041, 15.6329, 27.7432



18.2401, 15.6329, 17.7652



15.1160, 15.6329, 9.4939

Rectangle

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



11.9232, 15.6329, 16.2990



12.7447, 15.6329, 24.3162



18.2401, 15.6329, 17.7652



17.1942, 15.6329, 11.3546

Sweetspot

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



11.9236, 15.6335, 16.2994



27.6790, 31.1621, 33.7422



11.4711, 15.5717, 8.5323



6.4946, 7.3524, 7.9553



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



11.9236, 15.6335, 16.2994



19.8382, 27.2426, 27.8355



11.3689, 13.4424, 19.4489



3.7453, 4.1401, 4.4926



8.9034, 14.7754, 12.3133



43.0270, 71.8581, 58.1068

Inverse Universe

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



11.5259, 9.1973, 9.5560



19.0284, 14.0662, 14.0521



11.8687, 10.5718, 7.5463



3.7188, 3.7148, 4.0460



8.3335, 4.2671, 1.6983



40.3085, 20.6735, 6.6881

Previews

White Background



This preview shows how the XYZ color 11.9232, 15.6329, 16.2990 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 11.9232, 15.6329, 16.2990 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 11.9232, 15.6329, 16.2990

Background



This preview shows how black text looks on a background with the XYZ color 11.9232, 15.6329, 16.2990.



This preview shows how white text looks on a background with the XYZ color 11.9232, 15.6329,

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

11.9232, 15.6329, 16.2990

Protanopia

14.8063, 15.4740, 14.7768

Deuteranopia

15.7142, 15.4269, 16.9013



Tritanopia

13.0719, 15.5749, 22.0560

Trichromacy



Original Color

11.9232, 15.6329, 16.2990

Protanomaly

13.5494, 15.4624, 15.3671

Deuteranomaly

14.0383, 15.3566, 16.6922

Tritanomaly

12.5927, 15.5503, 19.7906

Monochromacy



Original Color

11.9232, 15.6329, 16.2990

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.4321, 14.2325, 15.4565

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9232, 15.6329, 16.2990 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(72, 119, 107)` looks like.

```
.text, #text, p{  
    color:rgb(72, 119, 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(72, 119, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 119, 107) }
```

Border

The CSS property to change the border of an element to XYZ 11.9232, 15.6329, 16.2990 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(72, 119, 107) }
```


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

```
.border{ border-color:rgb(72, 119, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 119, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 119, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 119, 107);  
box-shadow:4px 4px 4px 4px rgb(72, 119,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9232, 15.6329, 16.2990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 119, 107) }
```

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

```
.background{ background-color: rgb(72, 119,  
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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