

Converting Colors

XYZ(11.7535, 16.7070, 15.0383)

Have a look what the booklet for
XYZ(11.7535, 16.7070, 15.0383)
contains.

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Color

**XYZ(11.7325, 16.6636,
14.9099)**

Conversions

Conversions Part 1

Format	Color
Hex	3F7D65
RGB	63, 125, 101
RGB Percent	25%, 49%, 40%
CMY	0.7529, 0.5098, 0.6039
CMYK	0.50, 0.00, 0.19, 0.51
HSL	157°, 33%, 37%
HSV	157°, 50%, 49%
XYZ	11.7325, 16.6636, 14.9099
YIQ	103.7260, -29.2480, -20.6080

Conversions

Conversions Part 2

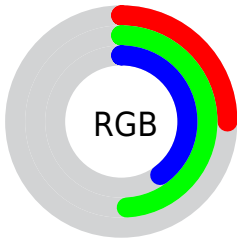
Format	Color
RYB	63, 101, 125
Decimal	4160869
CIELab	47.83, -26.19, 6.97
CIELCh	48, 27.101, 165.094
Yxy	16.6636, 0.2709, 0.3848
Android (android.graphics.Color)	4282350949 (0xFF3F7D65)
YUV	103.7260, -1.3439, -35.7167
Hunter-Lab	40.8211, -20.1337, 6.9191

Details

The XYZ color **11.7325, 16.6636, 14.9099** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **11.9559, 8.6036, 10.0481**, and the grayscale version is **13.0944, 13.7763, 15.0024**.

A 20% lighter version of the original color is **28.6581, 37.7526, 35.4823**, and **3.2445, 5.3308, 4.3480** is the 20% darker color. If you saturate the color by 10%, you get **10.7930, 16.2063, 13.6647**, and if you desaturate by 10%, it is **12.8682, 17.2213, 16.2379**.

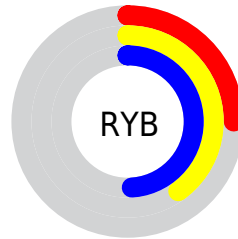
Distribution



 Red (25%)

 Green (49%)

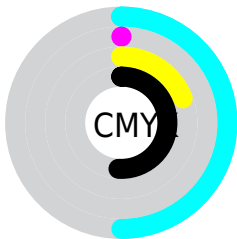
 Blue (40%)




 Red (25%)

 Yellow (40%)

 Blue (49%)

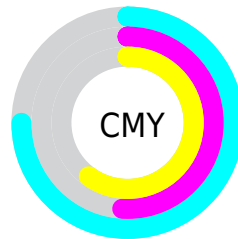


 Cyan (50%)

 Magenta (0%)

 Yellow (19%)

 Black (51%)



 Cyan (75%)

 Magenta (51%)

 Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7325, 16.6636, 14.9099 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 11.7325, 16.6636, 14.9099 by changing the saturation by 10% instead.

■ 11.7325, 16.6636,
14.9099

■ 11.7325, 16.6636,
14.9099

196.4325,
233.2263, 234.4422

■ 6.6327, 9.9949,
8.6103

■ 28.6281, 37.7465,
35.4351

■ 3.2777, 5.3956,
4.3945

■ 41.1545, 52.9295,
50.4977

■ 1.3023, 2.4812,
1.8442

■ 56.8873, 71.7194,
69.3185

■ 0.1849, 0.8672,
0.4569

■ 76.1917, 94.5006,
92.3158

■ 0.0000, 0.0000,
0.0000

■ 99.4330, 121.6575,
119.9083

126.9767,

153.5745, 152.5145

159.1881,
190.6359, 190.5530

■ 11.7325, 16.6636,
14.9099

■ 11.7325, 16.6636,
14.9099

■ 10.7930, 16.2063,
13.6647

■ 12.8682, 17.2213,
16.2379

■ 10.0356, 15.8409,
12.4993

■ 14.2103, 17.8833,
17.6493

■ 9.4466, 15.5607,
11.4122

■ 15.7697, 18.6557,
19.1462

■ 9.0094, 15.3572,
10.4013

■ 17.5563, 19.5435,
20.7301

■ 8.6729, 15.2041,
9.4628

■ 19.5793, 20.5515,
22.4027

■ 8.6598, 15.1982,
9.4266

■ 21.8474, 21.6841,
24.1655

■ 24.3688, 22.9455,
26.0199

■ 27.1515, 24.3398,
27.9674

■ 30.2029, 25.8708,
30.0092

Harmonies

Analogous

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



12.7494, 16.6636, 10.2314



11.7325, 16.6636, 14.9099



11.7358, 16.6636, 21.8628

Triad

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



11.7325, 16.6636, 14.9099



17.0885, 16.6636, 34.4051



19.3771, 16.6636, 10.2101

Complementary

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



11.7325, 16.6636, 14.9099



11.9559, 8.6036, 10.0481

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.



20.8002, 16.6636, 14.8725



11.7325, 16.6636, 14.9099



19.3896, 16.6636, 29.3458

Square

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



11.7325, 16.6636, 14.9099



14.6647, 16.6636, 34.4226



20.8049, 16.6636, 21.8145



17.0728, 16.6636, 8.0292

Rectangle

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



11.7325, 16.6636, 14.9099



12.3093, 16.6636, 26.9921



20.8049, 16.6636, 21.8145



19.9844, 16.6636, 11.4774

Sweetspot

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



11.7330, 16.6643, 14.9103



29.5432, 34.0542, 35.4672



12.2370, 17.0918, 7.3570



6.5974, 7.6852, 7.9575



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.



11.7330, 16.6643, 14.9103



19.0517, 28.8870, 24.0720



12.3252, 15.6842, 21.7806



4.3781, 4.8595, 5.1621



9.0344, 15.8603, 9.8197



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.9559, 8.6036, 10.0481



19.5092, 12.6035, 14.2856



11.4956, 9.0002, 5.8343



4.3913, 4.3697, 4.8652



9.3890, 4.7753, 3.3723



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 11.7325, 16.6636, 14.9099 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 11.7325, 16.6636, 14.9099 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 11.7325, 16.6636, 14.9099

Background



This preview shows how black text looks on a background with the XYZ color 11.7325, 16.6636, 14.9099.



This preview shows how white text looks on a background with the XYZ color 11.7325, 16.6636,

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

11.7325, 16.6636, 14.9099

Protanopia

15.5784, 16.5584, 13.2015

Deuteranopia

16.7197, 16.4488, 15.3904



Tritanopia

13.5326, 16.6530, 23.9738

Trichromacy



Original Color

11.7325, 16.6636, 14.9099

Protanomaly

13.6645, 16.2383, 13.7234

Deuteranomaly

14.2878, 16.1838, 15.2027

Tritanomaly

12.7336, 16.5041, 20.2838

Monochromacy



Original Color

11.7325, 16.6636, 14.9099

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.3622, 14.6915, 15.0161

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7325, 16.6636, 14.9099 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(63, 125, 101)` looks like.

```
.text, #text, p{  
    color:rgb(63, 125, 101)  
}
```

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(63, 125, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 125, 101) }
```

Border

The CSS property to change the border of an element to XYZ 11.7325, 16.6636, 14.9099 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(63, 125, 101) }
```


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

```
.border{ border-color:rgb(63, 125, 101) }
```

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

Here you see how a box with a 4 pixel rgb(63, 125, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 125, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 125, 101);  
box-shadow:4px 4px 4px 4px rgb(63, 125,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7325, 16.6636, 14.9099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 125, 101) }
```

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

```
.background{ background-color: rgb(63, 125,  
101) }
```

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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