

Converting Colors

XYZ(11.7433, 16.2334, 15.6327)

Have a look what the booklet for
XYZ(11.7433, 16.2334, 15.6327)
contains.

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Color

**XYZ(11.7616, 16.2892,
15.6209)**

Conversions

Conversions Part 1

Format	Color
Hex	417B68
RGB	65, 123, 104
RGB Percent	25%, 48%, 41%
CMY	0.7451, 0.5176, 0.5922
CMYK	0.47, 0.00, 0.15, 0.52
HSL	160°, 31%, 37%
HSV	160°, 47%, 48%
XYZ	11.7616, 16.2892, 15.6209
YIQ	103.4920, -28.4690, -18.2050

Conversions

Conversions Part 2

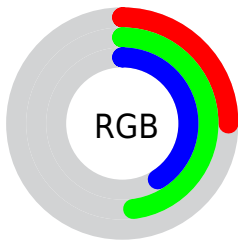
Format	Color
RYB	65, 100, 123
Decimal	4291432
CIELab	47.35, -23.91, 4.53
CIELCh	47, 24.332, 169.277
Yxy	16.2892, 0.2693, 0.3730
Android (android.graphics.Color)	4282481512 (0xFF417B68)
YUV	103.4920, 0.2504, -33.7575
Hunter-Lab	40.3599, -18.6117, 5.3043

Details

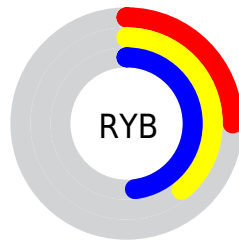
The XYZ color **11.7616, 16.2892, 15.6209** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.6594, 8.6320, 9.4397**, and the grayscale version is **13.0277, 13.7062, 14.9260**.

A 20% lighter version of the original color is **28.6442, 37.1302, 36.6675**, and **3.3125, 5.2575, 4.7111** is the 20% darker color. If you saturate the color by 10%, you get **10.8346, 15.8348, 14.5347**, and if you desaturate by 10%, it is **12.8766, 16.8402, 16.7677**.

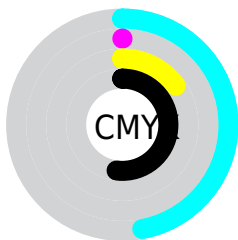
Distribution



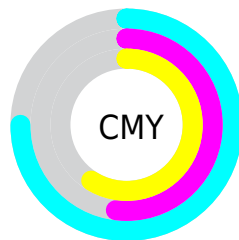
- Red (25%)
- Green (48%)
- Blue (41%)



- Red (25%)
- Yellow (39%)
- Blue (48%)



- Cyan (47%)
- Magenta (0%)
- Yellow (15%)
- Black (52%)



- Cyan (75%)
- Magenta (52%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7616, 16.2892, 15.6209 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 11.7616, 16.2892, 15.6209 by changing the saturation by 10% instead.

■ 11.7616, 16.2892,
15.6209

■ 11.7616, 16.2892,
15.6209

196.6229,
231.0422, 238.8631

■ 6.6526, 9.7290,
9.1049

■ 28.6808, 37.0995,
36.6964

■ 3.2902, 5.2197,
4.7119

■ 41.2217, 52.1185,
52.0929

■ 1.3090, 2.3767,
2.0235

■ 56.9706, 70.7259,
71.2867

■ 0.1900, 0.8139,
0.5697

■ 76.2929, 93.3060,
94.6962

■ 0.0000, 0.0000,
0.0000

■ 99.5539, 120.2433,
122.7401

127.1190,

151.9222, 155.8368

159.3536,
188.7270, 194.4050

■ 11.7616, 16.2892,
15.6209

■ 11.7616, 16.2892,
15.6209

■ 10.8346, 15.8348,
14.5347

■ 12.8766, 16.8402,
16.7677

■ 10.0826, 15.4691,
13.5067

■ 14.1891, 17.4914,
17.9751

■ 9.4928, 15.1860,
12.5359

■ 15.7093, 18.2486,
19.2448

■ 9.0501, 14.9775,
11.6210

■ 17.4465, 19.1165,
20.5776

■ 8.7215, 14.8269,
10.7595

■ 19.4093, 20.0994,
21.9748

■ 8.6333, 14.7865,
10.5233

■ 21.6059, 21.2017,
23.4374

■ 24.0440, 22.4273,
24.9663

■ 26.7311, 23.7800,
26.5624

■ 29.6742, 25.2634,
28.2268

Harmonies

Analogous

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



12.5529, 16.2892, 11.0727



11.7616, 16.2892, 15.6209



11.8951, 16.2892, 21.9440

Triad

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



11.7616, 16.2892, 15.6209



16.8893, 16.2892, 31.4421



18.3425, 16.2892, 10.1844

Complementary

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



11.7616, 16.2892, 15.6209



11.6594, 8.6320, 9.4397

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.



19.7269, 16.2892, 14.1039



11.7616, 16.2892, 15.6209



18.8356, 16.2892, 26.6474

Square

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



11.7616, 16.2892, 15.6209



14.7250, 16.2892, 32.1170



19.9152, 16.2892, 20.0343



16.2653, 16.2892, 8.4533

Rectangle

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



11.7616, 16.2892, 15.6209



12.4945, 16.2892, 26.3478



19.9152, 16.2892, 20.0343



18.9122, 16.2892, 11.2409

Sweetspot

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



11.7621, 16.2899, 15.6213



28.9644, 33.0937, 35.1203



11.7236, 16.4485, 7.5582



6.6937, 7.7302, 8.1707



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.



11.7621, 16.2899, 15.6213



19.2168, 28.2649, 25.7918



11.6980, 14.4392, 20.9102



4.0539, 4.4912, 4.8175



8.9281, 15.2949, 10.8724



42.1836, 72.7965, 49.7321

Inverse Universe

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



11.6594, 8.6320, 9.4397



19.0164, 12.7091, 13.2749



11.6165, 9.5801, 6.2381



4.0474, 4.0347, 4.4475



8.8492, 4.5158, 2.4971



41.8580, 21.3995, 10.0482

Previews

White Background



This preview shows how the XYZ color 11.7616, 16.2892, 15.6209 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 11.7616, 16.2892, 15.6209 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 11.7616, 16.2892, 15.6209

Background



This preview shows how black text looks on a background with the XYZ color 11.7616, 16.2892, 15.6209.

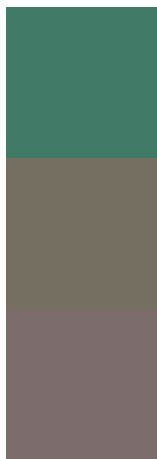


This preview shows how white text looks on a background with the XYZ color 11.7616, 16.2892,

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

11.7616, 16.2892, 15.6209

Protanopia

15.2252, 16.0326, 13.8474

Deuteranopia

16.3286, 16.0717, 16.1515



Tritanopia

13.2318, 16.1563, 23.1900

Trichromacy



Original Color

11.7616, 16.2892, 15.6209

Protanomaly

13.4680, 15.7782, 14.3923

Deuteranomaly

14.1002, 15.7344, 15.9296

Tritanomaly

12.5609, 16.0542, 20.2060

Monochromacy



Original Color

11.7616, 16.2892, 15.6209

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.1439, 14.2550, 14.9434

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7616, 16.2892, 15.6209 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(65, 123, 104)` looks like.

```
.text, #text, p{  
    color:rgb(65, 123, 104)  
}
```

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(65, 123, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 123, 104) }
```

Border

The CSS property to change the border of an element to XYZ 11.7616, 16.2892, 15.6209 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(65, 123, 104) }
```


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

```
.border{ border-color:rgb(65, 123, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 123, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 123, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 123, 104);  
box-shadow:4px 4px 4px 4px rgb(65, 123,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7616, 16.2892, 15.6209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 123, 104) }
```

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

```
.background{ background-color: rgb(65, 123,  
104) }
```

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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