

Converting Colors

XYZ(13.0522, 15.7579, 16.8862)

Have a look what the booklet for
XYZ(13.0522, 15.7579, 16.8862)
contains.

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Color

**XYZ(13.0302, 15.6696,
16.8058)**

Conversions

Conversions Part 1

Format	Color
Hex	58746D
RGB	88, 116, 109
RGB Percent	35%, 45%, 43%
CMY	0.6549, 0.5451, 0.5725
CMYK	0.24, 0.00, 0.06, 0.55
HSL	165°, 14%, 40%
HSV	165°, 24%, 45%
XYZ	13.0302, 15.6696, 16.8058
YIQ	106.8300, -14.4410, -8.1130

Conversions

Conversions Part 2

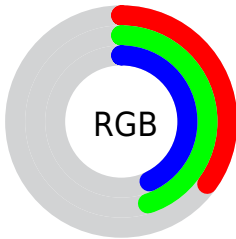
Format	Color
R_{YB}	88, 104, 116
Decimal	5796973
CIE _{Lab}	46.54, -11.75, 0.54
CIE _{LCh}	47, 11.758, 177.361
Yxy	15.6696, 0.2863, 0.3443
Android (android.graphics.Color)	4283987053 (0xFF58746D)
YUV	106.8300, 1.0698, -16.5139
Hunter-Lab	39.5848, -10.5164, 2.5377

Details

The XYZ color **13.0302, 15.6696, 16.8058** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.7583, 11.5191, 12.3780**, and the grayscale version is **13.9284, 14.6537, 15.9579**.

A 20% lighter version of the original color is **30.8290, 35.9466, 38.5712**, and **3.8511, 4.9535, 5.3106** is the 20% darker color. If you saturate the color by 10%, you get **11.8649, 15.0870, 15.9498**, and if you desaturate by 10%, it is **14.3764, 16.3456, 17.6978**.

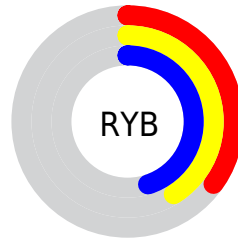
Distribution



Red (35%)

Green (45%)

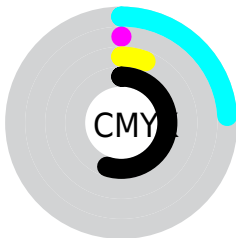
Blue (43%)



Red (35%)

Yellow (41%)

Blue (45%)

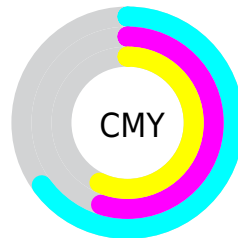


Cyan (24%)

Magenta (0%)

Yellow (6%)

Black (55%)



Cyan (65%)

Magenta (55%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0302, 15.6696, 16.8058 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 13.0302, 15.6696, 16.8058 by changing the saturation by 10% instead.

■ 13.0302, 15.6696,
16.8058

■ 13.0302, 15.6696,
16.8058

204.7448,
227.3841, 246.0567

■ 7.5265, 9.2907,
9.9356

■ 30.9589, 36.0237,
38.7776

■ 3.8427, 4.9313,
5.2513

■ 44.1146, 50.7676,
54.7164

■ 1.6135, 2.2070,
2.3341

■ 60.5516, 69.0686,
74.5151

■ 0.4012, 0.7238,
0.7502

■ 80.6354, 91.3111,
98.5923

■ 0.0000, 0.0000,
0.0000

■ 104.7312,
117.8795, 127.3665

133.2045,

149.1582, 161.2563

166.4206,
185.5316, 200.6802

■ 13.0302, 15.6696,
16.8058

■ 13.0302, 15.6696,
16.8058

■ 11.8649, 15.0870,
15.9498

■ 14.3764, 16.3456,
17.6978

■ 10.8707, 14.5917,
15.1282

■ 15.9097, 17.1172,
18.6254

■ 10.0392, 14.1796,
14.3405

■ 17.6381, 17.9886,
19.5895

■ 9.3606, 13.8457,
13.5862

■ 19.5683, 18.9635,
20.5908

■ 8.8239, 13.5845,
12.8643

■ 21.7069, 20.0452,
21.6296

■ 8.4169, 13.3895,
12.1741

■ 24.0602, 21.2370,
22.7067

■ 8.1213, 13.2514,
11.5145

■ 26.6341, 22.5419,
23.8224

■ 7.9659, 13.1794,
11.1403

■ 29.4345, 23.9629,
24.9774

■ 32.4668, 25.5028,
26.1720

Harmonies

Analogous

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



13.3118, 15.6696, 14.2247



13.0302, 15.6696, 16.8058



13.2288, 15.6696, 19.7575

Triad

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



13.0302, 15.6696, 16.8058



15.8073, 15.6696, 22.5144



15.9696, 15.6696, 12.7797

Complementary

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



13.0302, 15.6696, 16.8058



12.7583, 11.5191, 12.3780

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.



16.6923, 15.6696, 14.6227



13.0302, 15.6696, 16.8058



16.5957, 15.6696, 20.2525

Square

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



13.0302, 15.6696, 16.8058



14.8039, 15.6696, 23.2667



16.9264, 15.6696, 17.3198



14.9834, 15.6696, 12.0711

Rectangle

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



13.0302, 15.6696, 16.8058



13.6119, 15.6696, 21.5058



16.9264, 15.6696, 17.3198



16.2531, 15.6696, 13.2761

Sweetspot

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



13.0306, 15.6702, 16.8062



27.1106, 29.6573, 32.2365



12.7753, 15.6540, 11.5809



6.4413, 7.0619, 7.6748



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.



13.0306, 15.6702, 16.8062



21.7198, 26.9511, 28.6911



12.6959, 14.3733, 18.6289



3.7461, 4.1404, 4.4967



8.9316, 14.7866, 12.4617



43.1687, 71.9148, 58.8529

Inverse Universe

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



12.7583, 11.5191, 12.3780



21.1535, 18.3062, 19.4737



13.0147, 12.5186, 10.9631



3.7181, 3.7145, 4.0421



8.3249, 4.2637, 1.6534



40.2714, 20.6587, 6.4924

Previews

White Background



This preview shows how the XYZ color 13.0302, 15.6696, 16.8058 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 13.0302, 15.6696, 16.8058 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

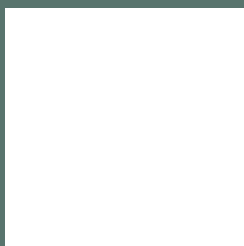
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.0302, 15.6696, 16.8058

Background



This preview shows how black text looks on a background with the XYZ color 13.0302, 15.6696, 16.8058.



This preview shows how white text looks on a background with the XYZ color 13.0302, 15.6696,

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

13.0302, 15.6696, 16.8058

Protanopia

14.9358, 15.6825, 15.6044

Deuteranopia

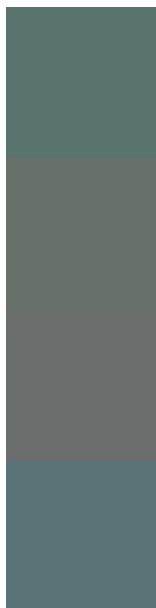
15.8727, 15.6562, 17.2243



Tritanopia

13.9068, 15.6888, 21.0342

Trichromacy



Original Color

13.0302, 15.6696, 16.8058

Protanomaly

14.1046, 15.5720, 15.8980

Deuteranomaly

14.5747, 15.4658, 16.9689

Tritanomaly

13.6172, 15.7431, 19.4606

Monochromacy



Original Color

13.0302, 15.6696, 16.8058

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.5382, 14.9439, 16.3583

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0302, 15.6696, 16.8058 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(88, 116, 109) looks like.

```
.text, #text, p{  
    color:rgb(88, 116, 109)  
}
```

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(88, 116, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 116, 109) }
```

Border

The CSS property to change the border of an element to XYZ 13.0302, 15.6696, 16.8058 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(88, 116, 109) }
```


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

```
.border{ border-color:rgb(88, 116, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 116, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 116, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 116, 109);  
box-shadow:4px 4px 4px 4px rgb(88, 116,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0302, 15.6696, 16.8058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 116, 109) }
```

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

```
.background{ background-color: rgb(88, 116,  
109) }
```

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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