

Converting Colors

XYZ(13.8769, 16.6164, 15.3265)

Have a look what the booklet for
XYZ(13.8769, 16.6164, 15.3265)
contains.

XYZ(13.8689, 16.6597, 15.3166)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.8689, 16.6597,
15.3166)**

Conversions

Conversions Part 1

Format	Color
Hex	607767
RGB	96, 119, 103
RGB Percent	38%, 47%, 40%
CMY	0.6235, 0.5333, 0.5961
CMYK	0.19, 0.00, 0.13, 0.53
HSL	138°, 11%, 42%
HSV	138°, 19%, 47%
XYZ	13.8689, 16.6597, 15.3166
YIQ	110.2990, -8.5720, -9.8520

Conversions

Conversions Part 2

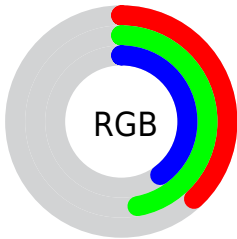
Format	Color
R_{YB}	96, 114, 119
Decimal	6322023
CIE Lab	47.83, -11.89, 6.03
CIE LCh	48, 13.334, 153.096
Yxy	16.6597, 0.3025, 0.3634
Android (android.graphics.Color)	4284512103 (0xFF607767)
YUV	110.2990, -3.5984, -12.5402
Hunter-Lab	40.8163, -10.7763, 6.3224

Details

The XYZ color **13.8689, 16.6597, 15.3166** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.7159, 13.4580, 17.1522**, and the grayscale version is **14.9191, 15.6960, 17.0930**.

A 20% lighter version of the original color is **32.4283, 37.6620, 36.1322**, and **4.2337, 5.4450, 4.5692** is the 20% darker color. If you saturate the color by 10%, you get **12.3153, 15.9049, 13.1812**, and if you desaturate by 10%, it is **15.6542, 17.5301, 17.6784**.

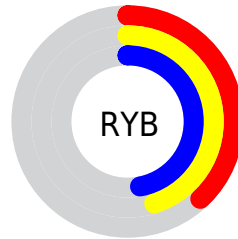
Distribution



Red (38%)

Green (47%)

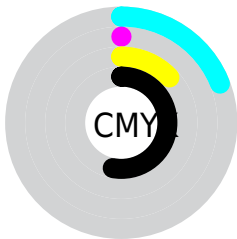
Blue (40%)



Red (38%)

Yellow (45%)

Blue (47%)

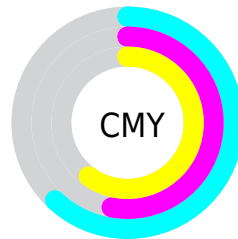


Cyan (19%)

Magenta (0%)

Yellow (13%)

Black (53%)



Cyan (62%)

Magenta (53%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8689, 16.6597, 15.3166 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 13.8689, 16.6597, 15.3166 by changing the saturation by 10% instead.

■ 13.8689, 16.6597,
15.3166

■ 13.8689, 16.6597,
15.3166

209.9407,
233.2036, 236.9810

■ 8.1106, 9.9922,
8.8928

■ 32.4444, 37.7397,
36.1578

■ 4.2182, 5.3938,
4.5755

■ 45.9924, 52.9211,
51.4122

■ 1.8263, 2.4801,
1.9461

■ 62.8677, 71.7091,
70.4473

■ 0.5334, 0.8666,
0.5218

■ 83.4356, 94.4882,
93.6815

■ 0.0000, 0.0000,
0.0000

108.0615,
121.6428, 121.5335

137.1107,

153.5573, 154.4217

170.9487,
190.6161, 192.7647

■ 13.8689, 16.6597,
15.3166

■ 13.8689, 16.6597,
15.3166

■ 12.3153, 15.9049,
13.1812

■ 15.6542, 17.5301,
17.6784

■ 10.9822, 15.2587,
11.2644

■ 17.6788, 18.5185,
20.2718

■ 9.8599, 14.7167,
9.5596

■ 19.9519, 19.6300,
23.1034

■ 8.9369, 14.2731,
8.0594

■ 22.4816, 20.8687,
26.1791

■ 8.2010, 13.9219,
6.7560

■ 25.2757, 22.2384,
29.5045

■ 7.6384, 13.6559,
5.6411

■ 28.3416, 23.7428,
33.0851

■ 7.2333, 13.4674,
4.7058

■ 31.6865, 25.3857,
36.9263

■ 6.9375, 13.3315,
3.9390

■ 35.3174, 27.1703,
41.0333

■ 6.9188, 13.3229,
3.8932

■ 39.2408, 29.1000,
45.4110

Harmonies

Analogous

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



14.6104, 16.6597, 13.1575



13.8689, 16.6597, 15.3166



13.6451, 16.6597, 18.4980

Triad

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



13.8689, 16.6597, 15.3166



15.9592, 16.6597, 25.5522



17.8427, 16.6597, 14.7721

Complementary

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



13.8689, 16.6597, 15.3166



14.7159, 13.4580, 17.1522

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.



18.2465, 16.6597, 17.7858



13.8689, 16.6597, 15.3166



17.1253, 16.6597, 24.2431

Square

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



13.8689, 16.6597, 15.3166



14.8154, 16.6597, 24.6777



17.9777, 16.6597, 21.2897



16.8993, 16.6597, 12.8721

Rectangle

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



13.8689, 16.6597, 15.3166



13.8098, 16.6597, 20.8509



17.9777, 16.6597, 21.2897



18.0481, 16.6597, 15.6741

Sweetspot

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



13.8694, 16.6604, 15.3170



29.1351, 31.9288, 33.0850



15.4036, 17.4902, 13.6308



6.8634, 7.5467, 7.7875



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.



13.8694, 16.6604, 15.3170



23.6012, 29.2326, 25.7509



14.4814, 16.9052, 18.5397



3.6823, 4.1149, 4.1608



7.3466, 14.1526, 4.1152



35.4607, 68.8315, 18.2629

Inverse Universe

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



14.7159, 13.4580, 17.1522



25.3975, 22.4356, 29.6439



14.1206, 13.2199, 14.0173



3.7814, 3.7399, 4.3758



9.7286, 4.8251, 9.0447



47.0141, 23.3558, 41.9994

Previews

White Background



This preview shows how the XYZ color 13.8689, 16.6597, 15.3166 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 13.8689, 16.6597, 15.3166 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

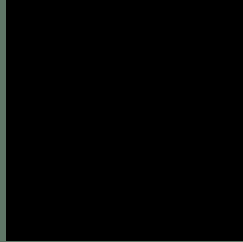
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.8689, 16.6597, 15.3166

Background



This preview shows how black text looks on a background with the XYZ color 13.8689, 16.6597, 15.3166.

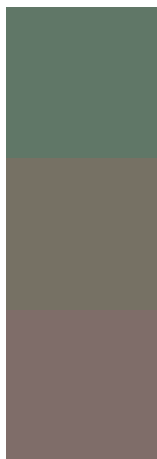


This preview shows how white text looks on a background with the XYZ color 13.8689, 16.6597,

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

13.8689, 16.6597, 15.3166

Protanopia

15.6766, 16.5819, 14.4310

Deuteranopia

16.7708, 16.4692, 15.6596



Tritanopia

15.2026, 16.6808, 21.8205

Trichromacy



Original Color

13.8689, 16.6597, 15.3166

Protanomaly

14.9101, 16.5160, 14.7140

Deuteranomaly

15.6063, 16.5227, 15.4634

Tritanomaly

14.7178, 16.6596, 19.2695

Monochromacy



Original Color

13.8689, 16.6597, 15.3166

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

14.3847, 15.8750, 16.2160

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8689, 16.6597, 15.3166 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(96, 119, 103) looks like.

```
.text, #text, p{  
    color:rgb(96, 119, 103)  
}
```

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(96, 119, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 119, 103) }
```

Border

The CSS property to change the border of an element to XYZ 13.8689, 16.6597, 15.3166 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(96, 119, 103) }
```


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

```
.border{ border-color:rgb(96, 119, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 119, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 119, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 119, 103);  
box-shadow:4px 4px 4px 4px rgb(96, 119,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8689, 16.6597, 15.3166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 119, 103) }
```

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

```
.background{ background-color: rgb(96, 119,  
103) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor