

Converting Colors

XYZ(13.8687, 15.4732, 16.3437)

Have a look what the booklet for
XYZ(13.8687, 15.4732, 16.3437)
contains.

XYZ(13.8678, 15.4378, 16.4362)	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(13.8678, 15.4378,
16.4362)**

Conversions

Conversions Part 1

Format	Color
Hex	65706C
RGB	101, 112, 108
RGB Percent	40%, 44%, 42%
CMY	0.6039, 0.5608, 0.5765
CMYK	0.10, 0.00, 0.04, 0.56
HSL	158°, 5%, 42%
HSV	158°, 10%, 44%
XYZ	13.8678, 15.4378, 16.4362
YIQ	108.2550, -5.2720, -3.5760

Conversions

Conversions Part 2

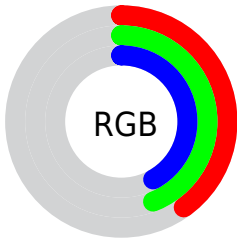
Format	Color
R_{YB}	101, 108, 112
Decimal	6647916
CIE Lab	46.23, -5.00, 0.80
CIE LCh	46, 5.063, 170.916
Yxy	15.4378, 0.3032, 0.3375
Android (android.graphics.Color)	4284837996 (0xFF65706C)
YUV	108.2550, -0.1257, -6.3626
Hunter-Lab	39.2910, -5.7574, 2.7015

Details

The XYZ color **13.8678, 15.4378, 16.4362** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.8862, 13.7725, 15.2919**, and the grayscale version is **14.3273, 15.0734, 16.4149**.

A 20% lighter version of the original color is **32.4824, 35.7295, 37.9854**, and **4.1970, 4.7880, 5.1178** is the 20% darker color. If you saturate the color by 10%, you get **12.4865, 14.7506, 15.2662**, and if you desaturate by 10%, it is **15.4310, 16.2185, 17.6683**.

Distribution



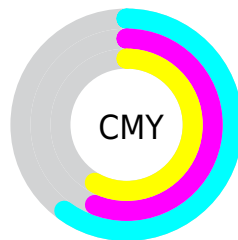
- Red (40%)
- Green (44%)
- Blue (42%)



- Red (40%)
- Yellow (42%)
- Blue (44%)



- Cyan (10%)
- Magenta (0%)
- Yellow (4%)
- Black (56%)



- Cyan (60%)
- Magenta (56%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8678, 15.4378, 16.4362 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 13.8678, 15.4378, 16.4362 by changing the saturation by 10% instead.

■ 13.8678, 15.4378,
16.4362

■ 13.8678, 15.4378,
16.4362

209.9340,
226.0010, 243.8350

■ 8.1099, 9.1272,
9.6757

■ 32.4425, 35.6194,
38.1311

■ 4.2177, 4.8243,
5.0817

■ 45.9900, 50.2592,
53.9025

■ 1.8260, 2.1445,
2.2357

■ 62.8647, 68.4442,
73.5147

■ 0.5333, 0.6895,
0.6948

■ 83.4320, 90.5588,
97.3861

■ 0.0000, 0.0000,
0.0000

108.0572,
116.9874, 125.9353

137.1057,

148.1144, 159.5808

170.9428,
184.3241, 198.7412

■ 13.8678, 15.4378,
16.4362

■ 13.8678, 15.4378,
16.4362

■ 12.4865, 14.7506,
15.2662

■ 15.4310, 16.2185,
17.6683

■ 11.2789, 14.1514,
14.1561

■ 17.1815, 17.0940,
18.9625

■ 10.2379, 13.6369,
13.1054

■ 19.1260, 18.0684,
20.3201

■ 9.3554, 13.2030,
12.1127

■ 21.2704, 19.1446,
21.7419

■ 8.6228, 12.8453,
11.1771

■ 23.6204, 20.3256,
23.2291

■ 8.0304, 12.5588,
10.2972

■ 26.1816, 21.6143,
24.7824

■ 7.5676, 12.3380,
9.4718

■ 28.9592, 23.0132,
26.4028

■ 7.2218, 12.1764,
8.6994

■ 31.9583, 24.5250,
28.0911

■ 6.9450, 12.0495,
7.9770

■ 35.1839, 26.1523,
29.8482

Harmonies

Analogous

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



14.0375, 15.4378, 15.3529



13.8678, 15.4378, 16.4362



13.9105, 15.4378, 17.6732

Triad

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



13.8678, 15.4378, 16.4362



14.9718, 15.4378, 19.1316



15.2033, 15.4378, 15.0287

Complementary

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



13.8678, 15.4378, 16.4362



13.8862, 13.7725, 15.2919

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.



15.4632, 15.4378, 15.9737



13.8678, 15.4378, 16.4362



15.3277, 15.4378, 18.3546

Square

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



13.8678, 15.4378, 16.4362



14.5424, 15.4378, 19.2704



15.5091, 15.4378, 17.1877



14.8048, 15.4378, 14.5669

Rectangle

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



13.8678, 15.4378, 16.4362



14.0541, 15.4378, 18.4165



15.5091, 15.4378, 17.1877



15.3101, 15.4378, 15.2981

Sweetspot

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



13.8682, 15.4385, 16.4365



26.1777, 28.0261, 30.3209



13.9733, 15.5340, 14.5741



6.2418, 6.7095, 7.2475



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



13.8682, 15.4385, 16.4365



23.7278, 26.8042, 28.3512



13.9257, 15.2045, 17.5309



3.4260, 3.7956, 4.0494



8.0117, 13.9222, 9.1485



39.4855, 69.1828, 43.3374

Inverse Universe

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



13.8862, 13.7725, 15.2919



23.7667, 23.1942, 25.8711



13.8290, 13.9795, 14.2816



3.4300, 3.4197, 3.7911



8.1720, 4.1612, 2.7159



40.3259, 20.5757, 11.5141

Previews

White Background



This preview shows how the XYZ color 13.8678, 15.4378, 16.4362 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 13.8678, 15.4378, 16.4362 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

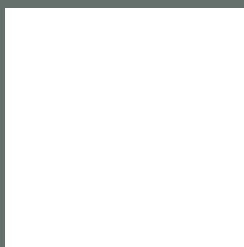
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.8678, 15.4378, 16.4362

Background



This preview shows how black text looks on a background with the XYZ color 13.8678, 15.4378, 16.4362.



This preview shows how white text looks on a background with the XYZ color 13.8678, 15.4378,

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

13.8678, 15.4378, 16.4362

Protanopia

14.7522, 15.4226, 15.8350

Deuteranopia

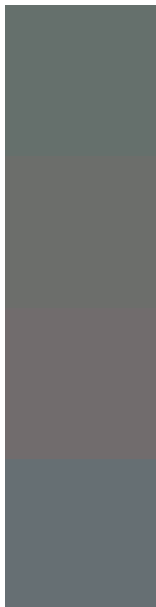
15.6601, 15.4053, 16.6161



Tritanopia

14.4992, 15.3673, 19.6548

Trichromacy



Original Color

13.8678, 15.4378, 16.4362

Protanomaly

14.4141, 15.4015, 16.1230

Deuteranomaly

14.9329, 15.3400, 16.6419

Tritanomaly

14.2584, 15.4315, 18.4467

Monochromacy



Original Color

13.8678, 15.4378, 16.4362

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

14.0011, 15.0232, 16.3492

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8678, 15.4378, 16.4362 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(101, 112, 108)` looks like.

```
.text, #text, p{  
    color:rgb(101, 112, 108)  
}
```

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(101, 112, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 112, 108) }
```

Border

The CSS property to change the border of an element to XYZ 13.8678, 15.4378, 16.4362 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(101, 112, 108) }
```


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

```
.border{ border-color:rgb(101, 112, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 112, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 112, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 112, 108);  
box-shadow:4px 4px 4px 4px rgb(101, 112,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8678, 15.4378, 16.4362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 112, 108) }
```

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

```
.background{ background-color: rgb(101,  
112, 108) }
```

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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