

Converting Colors

XYZ(13.7663, 15.0084, 16.5662)

Have a look what the booklet for
XYZ(13.7663, 15.0084, 16.5662)
contains.

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Color

**XYZ(13.8157, 15.0808,
16.6507)**

Conversions

Conversions Part 1

Format	Color
Hex	666E6D
RGB	102, 110, 109
RGB Percent	40%, 43%, 43%
CMY	0.6000, 0.5686, 0.5725
CMYK	0.07, 0.00, 0.01, 0.57
HSL	172°, 4%, 42%
HSV	172°, 7%, 43%
XYZ	13.8157, 15.0808, 16.6507
YIQ	107.4940, -4.4470, -2.0070

Conversions

Conversions Part 2

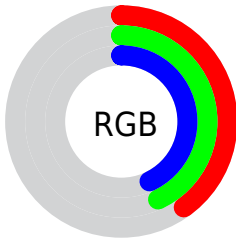
Format	Color
R_{YB}	102, 106, 110
Decimal	6712941
CIE Lab	45.74, -3.25, -0.50
CIE LCh	46, 3.284, 188.675
Yxy	15.0808, 0.3033, 0.3311
Android (android.graphics.Color)	4284903021 (0xFF666E6D)
YUV	107.4940, 0.7425, -4.8182
Hunter-Lab	38.8340, -4.4558, 1.7623

Details

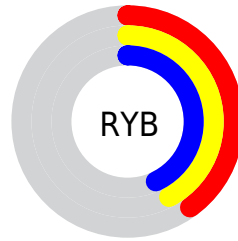
The XYZ color **13.8157, 15.0808, 16.6507** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.6305, 13.7973, 14.7774**, and the grayscale version is **14.1117, 14.8466, 16.1679**.

A 20% lighter version of the original color is **32.4024, 35.1510, 38.3347**, and **4.1677, 4.6053, 5.2267** is the 20% darker color. If you saturate the color by 10%, you get **12.5774, 14.4513, 16.2089**, and if you desaturate by 10%, it is **15.2215, 15.7973, 17.1070**.

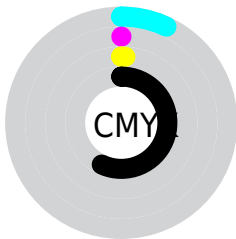
Distribution



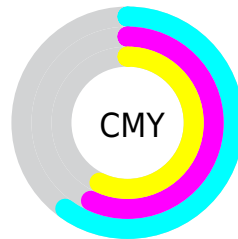
- Red (40%)
- Green (43%)
- Blue (43%)



- Red (40%)
- Yellow (42%)
- Blue (43%)



- Cyan (7%)
- Magenta (0%)
- Yellow (1%)
- Black (57%)



- Cyan (60%)
- Magenta (57%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8157, 15.0808, 16.6507 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 13.8157, 15.0808, 16.6507 by changing the saturation by 10% instead.

■ 13.8157, 15.0808,
16.6507

■ 13.8157, 15.0808,
16.6507

209.6149,
223.8548, 245.1268

■ 8.0734, 8.8761,
9.8264

■ 32.3507, 34.9949,
38.5066

■ 4.1942, 4.6605,
5.1799

■ 45.8741, 49.4730,
54.3753

■ 1.8126, 2.0495,
2.2926

■ 62.7219, 67.4778,
74.0960

■ 0.5252, 0.6360,
0.7271

■ 83.2595, 89.3936,
98.0871

■ 0.0000, 0.0000,
0.0000

107.8523,
115.6048, 126.7672

136.8655,

146.4958, 160.5548

170.6646,
182.4510, 199.8685

■ 13.8157, 15.0808,
16.6507

■ 13.8157, 15.0808,
16.6507

■ 12.5774, 14.4513,
16.2089

■ 15.2215, 15.7973,
17.1070

■ 11.4988, 13.9037,
15.7803

■ 16.7996, 16.6021,
17.5772

■ 10.5735, 13.4349,
15.3650

■ 18.5563, 17.4988,
18.0618

■ 9.7940, 13.0412,
14.9624

■ 20.4970, 18.4902,
18.5612

■ 9.1524, 12.7184,
14.5722

■ 22.6271, 19.5791,
19.0757

■ 8.6398, 12.4619,
14.1940

■ 24.9517, 20.7682,
19.6054

■ 8.2464, 12.2669,
13.8273

■ 27.4756, 22.0599,
20.1507

■ 7.9610, 12.1273,
13.4715

■ 30.2036, 23.4566,
20.7118

■ 7.7529, 12.0275,
13.1252

■ 33.1402, 24.9607,
21.2890

Harmonies

Analogous

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



13.8452, 15.0808, 15.8740



13.8157, 15.0808, 16.6507



13.9236, 15.0808, 17.3884

Triad

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



13.8157, 15.0808, 16.6507



14.6680, 15.0808, 17.6356



14.5277, 15.0808, 15.0452

Complementary

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



13.8157, 15.0808, 16.6507



13.6305, 13.7973, 14.7774

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.



14.7521, 15.0808, 15.4890



13.8157, 15.0808, 16.6507



14.8338, 15.0808, 16.9792

Square

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



13.8157, 15.0808, 16.6507



14.4140, 15.0808, 17.9689



14.8648, 15.0808, 16.1923



14.2540, 15.0808, 14.9636

Rectangle

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



13.8157, 15.0808, 16.6507



14.0598, 15.0808, 17.7530



14.8648, 15.0808, 16.1923



14.6115, 15.0808, 15.1563

Sweetspot

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



13.8161, 15.0814, 16.6510



25.5140, 27.1218, 29.6560



13.5758, 14.9994, 14.7501



5.9470, 6.3164, 6.9043



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



13.8161, 15.0814, 16.6510



23.8123, 26.2554, 29.0864



13.5590, 14.4804, 16.8330



3.4579, 3.8083, 4.2174



9.2401, 14.4135, 15.6168



45.8110, 71.7130, 76.6469

Inverse Universe

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



13.6305, 13.7973, 14.7774



23.4034, 23.4271, 24.9598



13.8740, 14.3643, 14.6118



3.3999, 3.4077, 3.6328



7.8112, 4.0169, 0.8159



38.7283, 19.9367, 3.1016

Previews

White Background



This preview shows how the XYZ color 13.8157, 15.0808, 16.6507 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 13.8157, 15.0808, 16.6507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

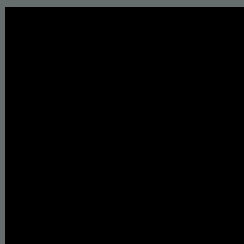
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

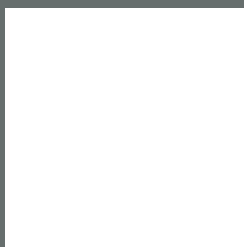
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.8157, 15.0808, 16.6507

Background



This preview shows how black text looks on a background with the XYZ color 13.8157, 15.0808, 16.6507.



This preview shows how white text looks on a background with the XYZ color 13.8157, 15.0808,

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

13.8157, 15.0808, 16.6507

Protanopia

14.4997, 15.1228, 16.3421

Deuteranopia

15.3373, 15.0805, 16.8543



Tritanopia

14.2730, 15.1052, 18.9929

Trichromacy



Original Color

13.8157, 15.0808, 16.6507

Protanomaly

14.2388, 15.1458, 16.3603

Deuteranomaly

14.7543, 15.0859, 16.8861

Tritanomaly

14.0994, 15.0357, 18.0787

Monochromacy



Original Color

13.8157, 15.0808, 16.6507

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.8950, 14.8111, 16.3138

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8157, 15.0808, 16.6507 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(102, 110, 109)` looks like.

```
.text, #text, p{  
    color:rgb(102, 110, 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(102, 110, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 110, 109) }
```

Border

The CSS property to change the border of an element to XYZ 13.8157, 15.0808, 16.6507 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(102, 110, 109) }
```


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

```
.border{ border-color:rgb(102, 110, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 110, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 110, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 110, 109);  
box-shadow:4px 4px 4px 4px rgb(102, 110,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8157, 15.0808, 16.6507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 110, 109) }
```

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

```
.background{ background-color: rgb(102,  
110, 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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