

Converting Colors

XYZ(13.8120, 15.4361, 16.6964)

Have a look what the booklet for
XYZ(13.8120, 15.4361, 16.6964)
contains.

XYZ(13.8100, 15.4018, 16.7130)	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(13.8100, 15.4018,
16.7130)**

Conversions

Conversions Part 1

Format	Color
Hex	64706D
RGB	100, 112, 109
RGB Percent	39%, 44%, 43%
CMY	0.6078, 0.5608, 0.5725
CMYK	0.11, 0.00, 0.03, 0.56
HSL	165°, 6%, 42%
HSV	165°, 11%, 44%
XYZ	13.8100, 15.4018, 16.7130
YIQ	108.0700, -6.1890, -3.4770

Conversions

Conversions Part 2

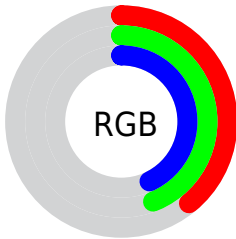
Format	Color
RYB	100, 107, 112
Decimal	6582381
CIELab	46.18, -5.16, 0.12
CIElCh	46, 5.159, 178.651
Yxy	15.4018, 0.3007, 0.3354
Android (android.graphics.Color)	4284772461 (0xFF64706D)
YUV	108.0700, 0.4585, -7.0774
Hunter-Lab	39.2451, -5.8665, 2.2222

Details

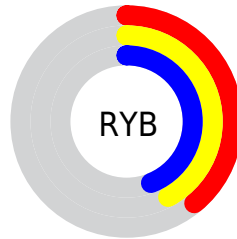
The XYZ color **13.8100, 15.4018, 16.7130** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.6880, 13.5387, 14.7244**, and the grayscale version is **14.2738, 15.0172, 16.3537**.

A 20% lighter version of the original color is **32.3831, 35.6683, 38.4356**, and **4.1711, 4.7715, 5.2586** is the 20% darker color. If you saturate the color by 10%, you get **12.5071, 14.7477, 15.8776**, and if you desaturate by 10%, it is **15.2890, 16.1469, 17.5824**.

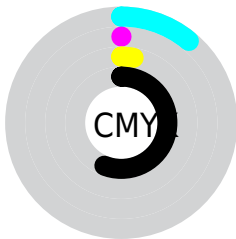
Distribution



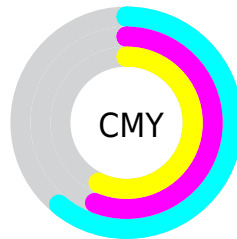
- Red (39%)
- Green (44%)
- Blue (43%)



- Red (39%)
- Yellow (42%)
- Blue (44%)



- Cyan (11%)
- Magenta (0%)
- Yellow (3%)
- Black (56%)



- Cyan (61%)
- Magenta (56%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8100, 15.4018, 16.7130 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 13.8100, 15.4018, 16.7130 by changing the saturation by 10% instead.

■ 13.8100, 15.4018,
16.7130

■ 13.8100, 15.4018,
16.7130

209.5800,
225.7855, 245.5007

■ 8.0695, 9.1019,
9.8703

■ 32.3406, 35.5565,
38.6155

■ 4.1916, 4.8077,
5.2086

■ 45.8614, 50.1801,
54.5124

■ 1.8111, 2.1349,
2.3093

■ 62.7063, 68.3470,
74.2645

■ 0.5243, 0.6841,
0.7364

■ 83.2406, 90.4417,
98.2902

■ 0.0000, 0.0000,
0.0000

107.8298,
116.8485, 127.0081

136.8392,

147.9518, 160.8368

170.6341,
184.1360, 200.1949

■ 13.8100, 15.4018,
16.7130

■ 13.8100, 15.4018,
16.7130

■ 12.5071, 14.7477,
15.8776

■ 15.2890, 16.1469,
17.5824

■ 11.3719, 14.1791,
15.0745

■ 16.9492, 16.9846,
18.4853

■ 10.3975, 13.6928,
14.3037

■ 18.7973, 17.9185,
19.4225

■ 9.5759, 13.2848,
13.5643

■ 20.8393, 18.9518,
20.3946

■ 8.8985, 12.9505,
12.8559

■ 23.0808, 20.0873,
21.4020

■ 8.3555, 12.6851,
12.1777

■ 25.5271, 21.3279,
22.4452

■ 7.9363, 12.4829,
11.5289

■ 28.1836, 22.6762,
23.5246

■ 7.6283, 12.3375,
10.9088

■ 31.0552, 24.1349,
24.6408

■ 7.3943, 12.2289,
10.3562

■ 34.1469, 25.7063,
25.7940

Harmonies

Analogous

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



13.9288, 15.4018, 15.5417



13.8100, 15.4018, 16.7130



13.9096, 15.4018, 17.9577

Triad

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



13.8100, 15.4018, 16.7130



15.0480, 15.4018, 18.9855



15.0832, 15.4018, 14.7862

Complementary

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



13.8100, 15.4018, 16.7130



13.6880, 13.5387, 14.7244

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.



15.3934, 15.4018, 15.6357



13.8100, 15.4018, 16.7130



15.3728, 15.4018, 18.0613

Square

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



13.8100, 15.4018, 16.7130



14.6191, 15.4018, 19.3086



15.5004, 15.4018, 16.8270



14.6589, 15.4018, 14.4642

Rectangle

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



13.8100, 15.4018, 16.7130



14.0875, 15.4018, 18.6538



15.5004, 15.4018, 16.8270



15.2046, 15.4018, 15.0174

Sweetspot

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



13.8104, 15.4024, 16.7133



26.2156, 28.0413, 30.5204



13.7114, 15.4045, 14.3075



6.2530, 6.7140, 7.3063



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.



13.8104, 15.4024, 16.7133



23.6301, 26.7401, 28.9688



13.6706, 14.8598, 17.4777



3.4411, 3.8016, 4.1289



8.5386, 14.1329, 11.9228



42.1763, 70.2592, 57.5070

Inverse Universe

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



13.6880, 13.5387, 14.7244



23.3669, 22.7334, 24.6933



13.8132, 14.0260, 14.0360



3.4156, 3.4139, 3.7151



7.9590, 4.0760, 1.5939



39.3471, 20.1842, 6.3600

Previews

White Background



This preview shows how the XYZ color 13.8100, 15.4018, 16.7130 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 13.8100, 15.4018, 16.7130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

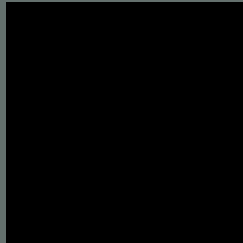
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

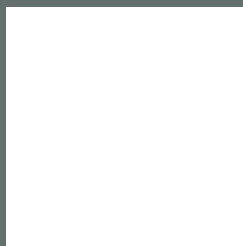
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.8100, 15.4018, 16.7130

Background



This preview shows how black text looks on a background with the XYZ color 13.8100, 15.4018, 16.7130.



This preview shows how white text looks on a background with the XYZ color 13.8100, 15.4018,

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

13.8100, 15.4018, 16.7130

Protanopia

14.8046, 15.4436, 16.1105

Deuteranopia

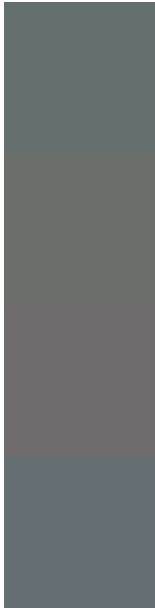
15.5763, 15.3558, 16.8949



Tritanopia

14.3852, 15.3086, 19.6494

Trichromacy



Original Color

13.8100, 15.4018, 16.7130

Protanomaly

14.4670, 15.4227, 16.4017

Deuteranomaly

14.8591, 15.2957, 16.9210

Tritanomaly

14.1458, 15.3734, 18.4415

Monochromacy



Original Color

13.8100, 15.4018, 16.7130

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 13.8100, 15.4018, 16.7130 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(100, 112, 109)` looks like.

```
.text, #text, p{  
    color:rgb(100, 112, 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(100, 112, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 112, 109) }
```

Border

The CSS property to change the border of an element to XYZ 13.8100, 15.4018, 16.7130 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(100, 112, 109) }
```


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

```
.border{ border-color:rgb(100, 112, 109) }
```

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

Here you see how a box with a 4 pixel rgb(100, 112, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 112, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 112, 109);  
box-shadow:4px 4px 4px 4px rgb(100, 112,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8100, 15.4018, 16.7130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 112, 109) }
```

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

```
.background{ background-color: rgb(100,  
112, 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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