

Converting Colors

XYZ(13.7643, 16.6058, 15.3118)

Have a look what the booklet for
XYZ(13.7643, 16.6058, 15.3118)
contains.

XYZ(13.7643, 16.6058, 15.3118)	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(13.7643, 16.6058,
15.3118)**

Conversions

Conversions Part 1

Format	Color
Hex	5F7767
RGB	95, 119, 103
RGB Percent	37%, 47%, 40%
CMY	0.6274, 0.5333, 0.5961
CMYK	0.20, 0.00, 0.13, 0.53
HSL	140°, 11%, 42%
HSV	140°, 20%, 47%
XYZ	13.7643, 16.6058, 15.3118
YIQ	110.0000, -9.1680, -10.0640

Conversions

Conversions Part 2

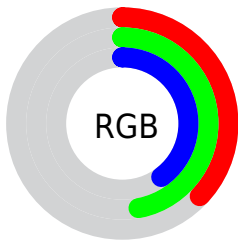
Format	Color
R_{YB}	95, 113, 119
Decimal	6256487
CIE _{Lab}	47.76, -12.26, 5.93
CIE _{LCh}	48, 13.614, 154.199
Yxy	16.6058, 0.3013, 0.3635
Android (android.graphics.Color)	4284446567 (0xFF5F7767)
YUV	110.0000, -3.4510, -13.1550
Hunter-Lab	40.7502, -11.0205, 6.2471

Details

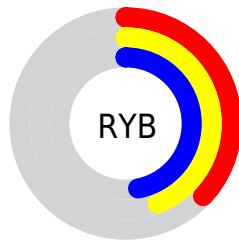
The XYZ color **13.7643, 16.6058, 15.3118** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.5697, 13.2544, 16.8300**, and the grayscale version is **14.8328, 15.6053, 16.9941**.

A 20% lighter version of the original color is **32.2497, 37.5699, 36.1238**, and **4.1860, 5.4204, 4.5670** is the 20% darker color. If you saturate the color by 10%, you get **12.2419, 15.8653, 13.2597**, and if you desaturate by 10%, it is **15.5143, 17.4602, 17.5726**.

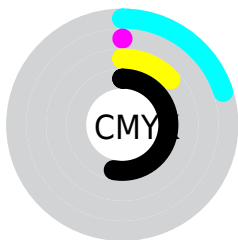
Distribution



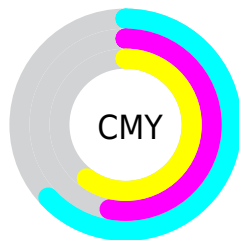
- Red (37%)
- Green (47%)
- Blue (40%)



- Red (37%)
- Yellow (44%)
- Blue (47%)



- Cyan (20%)
- Magenta (0%)
- Yellow (13%)
- Black (53%)



- Cyan (63%)
- Magenta (53%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7643, 16.6058, 15.3118 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 13.7643, 16.6058, 15.3118 by changing the saturation by 10% instead.

■ 13.7643, 16.6058,
15.3118

■ 13.7643, 16.6058,
15.3118

209.2997,
232.8904, 236.9512

■ 8.0375, 9.9538,
8.8895

■ 32.2600, 37.6468,
36.1493

■ 4.1710, 5.3684,
4.5733

■ 45.7596, 52.8045,
51.4015

■ 1.7993, 2.4650,
1.9448

■ 62.5809, 71.5664,
70.4340

■ 0.5173, 0.8590,
0.5210

■ 83.0892, 94.3167,
93.6655

■ 0.0000, 0.0000,
0.0000

107.6499,
121.4398, 121.5144

136.6283,

153.3202, 154.3993

170.3897,
190.3423, 192.7387

■ 13.7643, 16.6058,
15.3118

■ 13.7643, 16.6058,
15.3118

■ 12.2419, 15.8653,
13.2597

■ 15.5143, 17.4602,
17.5726

■ 10.9362, 15.2318,
11.4092

■ 17.4995, 18.4309,
20.0465

■ 9.8372, 14.7007,
9.7545

■ 19.7289, 19.5229,
22.7395

■ 8.9339, 14.2665,
8.2891

■ 22.2105, 20.7402,
25.6568

■ 8.2139, 13.9230,
7.0061

■ 24.9522, 22.0868,
28.8034

■ 7.6636, 13.6633,
5.8982

■ 27.9611, 23.5663,
32.1842

■ 7.2671, 13.4793,
4.9577

■ 31.2445, 25.1822,
35.8041

■ 6.9745, 13.3452,
4.1862

■ 34.8091, 26.9380,
39.6676

■ 38.6615, 28.8369,
43.7792

Harmonies

Analogous

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



14.5013, 16.6058, 13.0744



13.7643, 16.6058, 15.3118



13.5576, 16.6058, 18.5772

Triad

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



13.7643, 16.6058, 15.3118



15.9557, 16.6058, 25.6422



17.8039, 16.6058, 14.5618

Complementary

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



13.7643, 16.6058, 15.3118



14.5697, 13.2544, 16.8300

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.



18.2401, 16.6058, 17.5935



13.7643, 16.6058, 15.3118



17.1388, 16.6058, 24.2256

Square

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



13.7643, 16.6058, 15.3118



14.7842, 16.6058, 24.8283



17.9907, 16.6058, 21.1652



16.8264, 16.6058, 12.6821

Rectangle

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



13.7643, 16.6058, 15.3118



13.7390, 16.6058, 20.9767



17.9907, 16.6058, 21.1652



18.0210, 16.6058, 15.4647

Sweetspot

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



13.7648, 16.6065, 15.3122



29.1568, 31.9375, 33.1991



15.2690, 17.4262, 13.3854



6.8689, 7.5489, 7.8166



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.



13.7648, 16.6065, 15.3122



23.3878, 29.1226, 25.7413



14.3882, 16.8559, 18.5951



3.6863, 4.1165, 4.1821



7.4055, 14.1762, 4.4255



35.7274, 68.9382, 19.6676

Inverse Universe

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



14.5697, 13.2544, 16.8300



25.0935, 22.0178, 28.9561



13.9717, 13.0152, 13.6809



3.7772, 3.7382, 4.3536



9.5906, 4.7700, 8.3184



46.3267, 23.0808, 38.3795

Previews

White Background



This preview shows how the XYZ color 13.7643, 16.6058, 15.3118 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 13.7643, 16.6058, 15.3118 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 13.7643, 16.6058, 15.3118

Background



This preview shows how black text looks on a background with the XYZ color 13.7643, 16.6058, 15.3118.

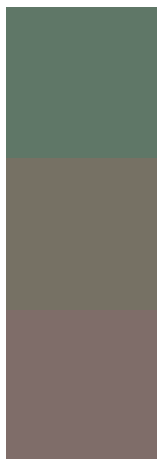


This preview shows how white text looks on a background with the XYZ color 13.7643, 16.6058,

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

13.7643, 16.6058, 15.3118

Protanopia

15.6766, 16.5819, 14.4310

Deuteranopia

16.7708, 16.4692, 15.6596



Tritanopia

15.0927, 16.6241, 21.8153

Trichromacy



Original Color

13.7643, 16.6058, 15.3118

Protanomaly

14.9101, 16.5160, 14.7140

Deuteranomaly

15.4740, 16.4546, 15.4572

Tritanomaly

14.6092, 16.6036, 19.2645

Monochromacy



Original Color

13.7643, 16.6058, 15.3118

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 13.7643, 16.6058, 15.3118 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(95, 119, 103) looks like.

```
.text, #text, p{  
    color:rgb(95, 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(95, 119, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 119, 103) }
```

Border

The CSS property to change the border of an element to XYZ 13.7643, 16.6058, 15.3118 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(95, 119, 103) }
```


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

```
.border{ border-color:rgb(95, 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(95, 119, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 119, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 119, 103);  
box-shadow:4px 4px 4px 4px rgb(95, 119,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7643, 16.6058, 15.3118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 119, 103) }
```

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

```
.background{ background-color: rgb(95, 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