

Converting Colors

XYZ(13.8863, 15.7461, 16.5441)

Have a look what the booklet for
XYZ(13.8863, 15.7461, 16.5441)
contains.

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Color

**XYZ(13.8697, 15.7700,
16.5003)**

Conversions

Conversions Part 1

Format	Color
Hex	63726C
RGB	99, 114, 108
RGB Percent	39%, 45%, 42%
CMY	0.6118, 0.5529, 0.5765
CMYK	0.13, 0.00, 0.05, 0.55
HSL	156°, 7%, 42%
HSV	156°, 13%, 45%
XYZ	13.8697, 15.7700, 16.5003
YIQ	108.8310, -7.0140, -5.0460

Conversions

Conversions Part 2

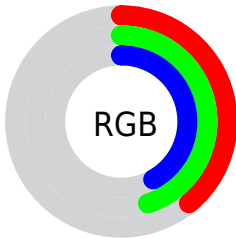
Format	Color
R_{YB}	99, 108, 114
Decimal	6517356
CIE Lab	46.67, -6.90, 1.43
CIE LCh	47, 7.044, 168.326
Yxy	15.7700, 0.3006, 0.3418
Android (android.graphics.Color)	4284707436 (0xFF63726C)
YUV	108.8310, -0.4097, -8.6218
Hunter-Lab	39.7115, -7.1518, 3.1627

Details

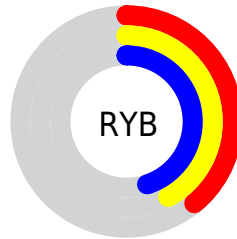
The XYZ color **13.8697, 15.7700, 16.5003** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.9517, 13.5214, 15.2399**, and the grayscale version is **14.4909, 15.2455, 16.6024**.

A 20% lighter version of the original color is **32.4719, 36.2597, 38.0883**, and **4.2067, 4.9634, 5.1512** is the 20% darker color. If you saturate the color by 10%, you get **12.4748, 15.0786, 15.2011**, and if you desaturate by 10%, it is **15.4541, 16.5584, 17.8754**.

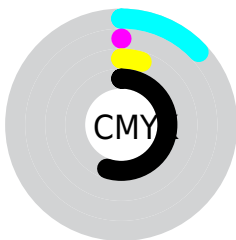
Distribution



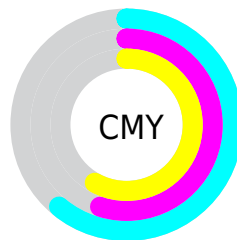
- Red (39%)
- Green (45%)
- Blue (42%)



- Red (39%)
- Yellow (42%)
- Blue (45%)



- Cyan (13%)
- Magenta (0%)
- Yellow (5%)
- Black (55%)



- Cyan (61%)
- Magenta (55%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8697, 15.7700, 16.5003 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 13.8697, 15.7700, 16.5003 by changing the saturation by 10% instead.

■ 13.8697, 15.7700,
16.5003

■ 13.8697, 15.7700,
16.5003

209.9456,
227.9807, 244.2217

■ 8.1112, 9.3615,
9.7207

■ 32.4459, 36.1985,
38.2434

■ 4.2186, 4.9777,
5.1110

■ 45.9942, 50.9872,
54.0440

■ 1.8265, 2.2342,
2.2527

■ 62.8699, 69.3383,
73.6886

■ 0.5336, 0.7386,
0.7045

■ 83.4382, 91.6359,
97.5959

■ 0.0000, 0.0000,
0.0000

108.0646,
118.2646, 126.1843

137.1144,

149.6087, 159.8723

170.9530,
186.0526, 199.0787

■ 13.8697, 15.7700,
16.5003

■ 13.8697, 15.7700,
16.5003

■ 12.4748, 15.0786,
15.2011

■ 15.4541, 16.5584,
17.8754

■ 11.2604, 14.4785,
13.9753

■ 17.2337, 17.4456,
19.3265

■ 10.2191, 13.9661,
12.8219

■ 19.2157, 18.4355,
20.8554

■ 9.3421, 13.5371,
11.7394

■ 21.4064, 19.5316,
22.4632

■ 8.6200, 13.1865,
10.7263

■ 23.8119, 20.7368,
24.1512

■ 8.0423, 12.9090,
9.7810

■ 26.4382, 22.0542,
25.9205

■ 7.5972, 12.6985,
8.9018

■ 29.2907, 23.4868,
27.7723

■ 7.2691, 12.5471,
8.0868

■ 32.3750, 25.0371,
29.7078

■ 7.0731, 12.4574,
7.5638

■ 35.6963, 26.7080,
31.7279

Harmonies

Analogous

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



14.1300, 15.7700, 15.0335



13.8697, 15.7700, 16.5003



13.9032, 15.7700, 18.2485

Triad

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



13.8697, 15.7700, 16.5003



15.3606, 15.7700, 20.5599



15.7821, 15.7700, 14.7827

Complementary

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



13.8697, 15.7700, 16.5003



13.9517, 13.5214, 15.2399

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.



16.1298, 15.7700, 16.1365



13.8697, 15.7700, 16.5003



15.8819, 15.7700, 19.5018

Square

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



13.8697, 15.7700, 16.5003



14.7529, 15.7700, 20.6739



16.1668, 15.7700, 17.8593



15.2274, 15.7700, 14.0877

Rectangle

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



13.8697, 15.7700, 16.5003



14.0878, 15.7700, 19.3386



16.1668, 15.7700, 17.8593



15.9277, 15.7700, 15.1714

Sweetspot

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



13.8701, 15.7707, 16.5006



26.8789, 28.9586, 31.1770



14.1251, 15.9546, 14.1397



6.1746, 6.6764, 7.1750



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.



13.8701, 15.7707, 16.5006



23.5394, 27.2987, 28.2379



14.0607, 15.6228, 18.1948



3.4212, 3.7937, 4.0242



7.8650, 13.8635, 8.3756



38.7444, 68.8864, 39.4350

Inverse Universe

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



13.9517, 13.5214, 15.2399



23.7143, 22.4741, 25.5339



13.7733, 13.6411, 13.7117



3.4347, 3.4216, 3.8156



8.2574, 4.1953, 3.1652



40.7314, 20.7379, 13.6494

Previews

White Background



This preview shows how the XYZ color 13.8697, 15.7700, 16.5003 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 13.8697, 15.7700, 16.5003 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

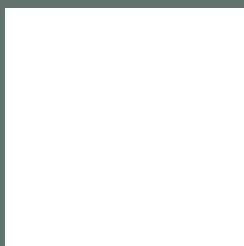
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.8697, 15.7700, 16.5003

Background



This preview shows how black text looks on a background with the XYZ color 13.8697, 15.7700, 16.5003.



This preview shows how white text looks on a background with the XYZ color 13.8697, 15.7700,

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

13.8697, 15.7700, 16.5003

Protanopia

14.9875, 15.7032, 15.8768

Deuteranopia

15.9032, 15.6845, 16.6572



Tritanopia

14.6122, 15.7355, 20.3563

Trichromacy



Original Color

13.8697, 15.7700, 16.5003

Protanomaly

14.5226, 15.6186, 16.1592

Deuteranomaly

15.1463, 15.7667, 16.7130

Tritanomaly

14.3130, 15.7805, 18.8146

Monochromacy



Original Color

13.8697, 15.7700, 16.5003

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.2705, 15.4763, 16.7031

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8697, 15.7700, 16.5003 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(99, 114, 108) looks like.

```
.text, #text, p{  
    color:rgb(99, 114, 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(99, 114, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 114, 108) }
```

Border

The CSS property to change the border of an element to XYZ 13.8697, 15.7700, 16.5003 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(99, 114, 108) }
```


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

```
.border{ border-color:rgb(99, 114, 108) }
```

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

Here you see how a box with a 4 pixel rgb(99, 114, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 114, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 114, 108);  
box-shadow:4px 4px 4px 4px rgb(99, 114,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8697, 15.7700, 16.5003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 114, 108) }
```

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

```
.background{ background-color: rgb(99, 114,  
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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