

Converting Colors

XYZ(13.7684, 15.8139, 16.4018)

Have a look what the booklet for
XYZ(13.7684, 15.8139, 16.4018)
contains.

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Color

**XYZ(13.8745, 15.9408,
16.5330)**

Conversions

Conversions Part 1

Format	Color
Hex	62736C
RGB	98, 115, 108
RGB Percent	38%, 45%, 42%
CMY	0.6157, 0.5490, 0.5765
CMYK	0.15, 0.00, 0.06, 0.55
HSL	155°, 8%, 42%
HSV	155°, 15%, 45%
XYZ	13.8745, 15.9408, 16.5330
YIQ	109.1190, -7.8850, -5.7810

Conversions

Conversions Part 2

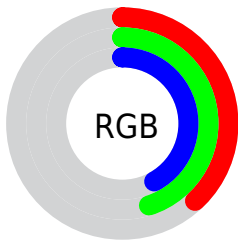
Format	Color
RYB	98, 109, 115
Decimal	6452076
CIELab	46.90, -7.84, 1.74
CIELCh	47, 8.031, 167.461
Yxy	15.9408, 0.2994, 0.3439
Android (android.graphics.Color)	4284642156 (0xFF62736C)
YUV	109.1190, -0.5517, -9.7514
Hunter-Lab	39.9259, -7.8406, 3.3967

Details

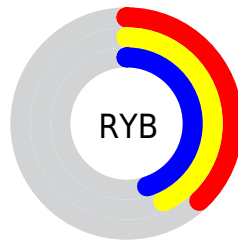
The XYZ color **13.8745, 15.9408, 16.5330** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.9883, 13.4005, 15.2146**, and the grayscale version is **14.5730, 15.3320, 16.6965**.

A 20% lighter version of the original color is **32.4712, 36.5302, 38.1405**, and **4.2147, 5.0550, 5.1685** is the 20% darker color. If you saturate the color by 10%, you get **12.4765, 15.2489, 15.1876**, and if you desaturate by 10%, it is **15.4654, 16.7314, 17.9596**.

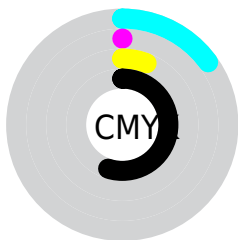
Distribution



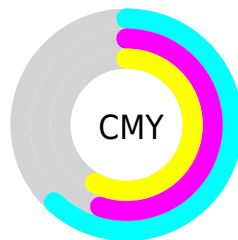
- Red (38%)
- Green (45%)
- Blue (42%)



- Red (38%)
- Yellow (43%)
- Blue (45%)



- Cyan (15%)
- Magenta (0%)
- Yellow (6%)
- Black (55%)



- Cyan (62%)
- Magenta (55%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8745, 15.9408, 16.5330 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 13.8745, 15.9408, 16.5330 by changing the saturation by 10% instead.

■ 13.8745, 15.9408,
16.5330

■ 13.8745, 15.9408,
16.5330

209.9750,
228.9921, 244.4188

■ 8.1145, 9.4823,
9.7437

■ 32.4543, 36.4954,
38.3007

■ 4.2208, 5.0571,
5.1260

■ 46.0049, 51.3603,
54.1161

■ 1.8278, 2.2808,
2.2613

■ 62.8830, 69.7960,
73.7773

■ 0.5343, 0.7635,
0.7094

■ 83.4541, 92.1871,
97.7028

■ 0.0000, 0.0000,
0.0000

108.0835,
118.9178, 126.3111

137.1365,

150.3727, 160.0209

170.9786,
186.9360, 199.2506

■ 13.8745, 15.9408,
16.5330

■ 13.8745, 15.9408,
16.5330

■ 12.4765, 15.2489,
15.1876

■ 15.4654, 16.7314,
17.9596

■ 11.2624, 14.6498,
13.9208

■ 17.2551, 17.6226,
19.4678

■ 10.2241, 14.1398,
12.7314

■ 19.2512, 18.6184,
21.0594

■ 9.3528, 13.7143,
11.6180

■ 21.4601, 19.7224,
22.7356

■ 8.6385, 13.3683,
10.5787

■ 23.8882, 20.9376,
24.4978

■ 8.0704, 13.0963,
9.6118

■ 26.5415, 22.2672,
26.3473

■ 7.6360, 12.8918,
8.7155

■ 29.4258, 23.7142,
28.2853

■ 7.3152, 12.7444,
7.8875

■ 32.5466, 25.2814,
30.3132

■ 7.1635, 12.6750,
7.4808

■ 35.9094, 26.9716,
32.4320

Harmonies

Analogous

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



14.1806, 15.9408, 14.8780



13.8745, 15.9408, 16.5330



13.9027, 15.9408, 18.5398

Triad

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



13.8745, 15.9408, 16.5330



15.5589, 15.9408, 21.3014



16.0800, 15.9408, 14.6677

Complementary

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



13.8745, 15.9408, 16.5330



13.9883, 13.4005, 15.2146

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.



16.4724, 15.9408, 16.2252



13.8745, 15.9408, 16.5330



16.1652, 15.9408, 20.0968

Square

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



13.8745, 15.9408, 16.5330



14.8608, 15.9408, 21.3998



16.5040, 15.9408, 18.2076



15.4455, 15.9408, 13.8581

Rectangle

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



13.8745, 15.9408, 16.5330



14.1074, 15.9408, 19.8096



16.5040, 15.9408, 18.2076



16.2454, 15.9408, 15.1154

Sweetspot

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



13.8749, 15.9415, 16.5334



27.8986, 30.0621, 32.3374



14.1713, 16.1523, 13.9263



6.6095, 7.1488, 7.6746



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



13.8749, 15.9415, 16.5334



23.8816, 28.0676, 28.6992



14.1024, 15.7759, 18.5222



3.7225, 4.1310, 4.3727



8.1782, 14.4853, 8.4947



39.4200, 70.4153, 39.1124

Inverse Universe

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



13.9883, 13.4005, 15.2146



24.1290, 22.5203, 25.8205



13.7767, 13.5299, 13.4410



3.7407, 3.7236, 4.1612



8.6673, 4.4006, 3.4564



41.8323, 21.2830, 14.7122

Previews

White Background



This preview shows how the XYZ color 13.8745, 15.9408, 16.5330 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 13.8745, 15.9408, 16.5330 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

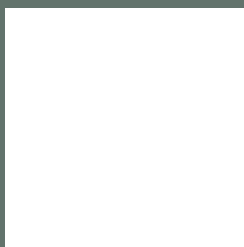
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.8745, 15.9408, 16.5330

Background



This preview shows how black text looks on a background with the XYZ color 13.8745, 15.9408, 16.5330.



This preview shows how white text looks on a background with the XYZ color 13.8745, 15.9408,

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

13.8745, 15.9408, 16.5330

Protanopia

15.2254, 15.9869, 15.9190

Deuteranopia

16.0982, 15.7788, 16.9490



Tritanopia

14.6735, 15.9247, 20.7128

Trichromacy



Original Color

13.8745, 15.9408, 16.5330

Protanomaly

14.6324, 15.8380, 16.1958

Deuteranomaly

15.1463, 15.7667, 16.7130

Tritanomaly

14.3738, 15.9716, 19.1549

Monochromacy



Original Color

13.8745, 15.9408, 16.5330

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 13.8745, 15.9408, 16.5330 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(98, 115, 108) looks like.

```
.text, #text, p{  
    color:rgb(98, 115, 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(98, 115, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 115, 108) }
```

Border

The CSS property to change the border of an element to XYZ 13.8745, 15.9408, 16.5330 is called "border". The border property can be set on classes, ids or directly on the HTML element.

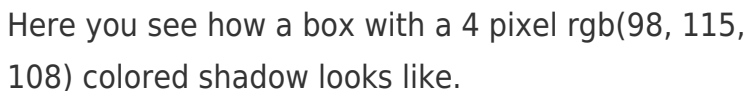
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(98, 115, 108) }
```


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

```
.border{ border-color:rgb(98, 115, 108) }
```

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



Here you see how a box with a 4 pixel `rgb(98, 115, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 115, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 115, 108);  
box-shadow:4px 4px 4px 4px rgb(98, 115,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8745, 15.9408, 16.5330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 115, 108) }
```

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

```
.background{ background-color: rgb(98, 115,  
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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