

Converting Colors

XYZ(13.8081, 16.1661, 8.7025)

Have a look what the booklet for
XYZ(13.8081, 16.1661, 8.7025)
contains.

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Color

**XYZ(13.8784, 16.2868,
8.7155)**

Conversions

Conversions Part 1

Format	Color
Hex	6E7449
RGB	110, 116, 73
RGB Percent	43%, 45%, 29%
CMY	0.5686, 0.5451, 0.7137
CMYK	0.05, 0.00, 0.37, 0.55
HSL	68°, 23%, 37%
HSV	68°, 37%, 45%
XYZ	13.8784, 16.2868, 8.7155
YIQ	109.3040, 10.2270, -14.6450

Conversions

Conversions Part 2

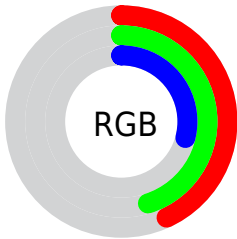
Format	Color
RYB	73, 116, 79
Decimal	7238729
CIELab	47.35, -9.76, 23.03
CIELCh	47, 25.012, 112.974
Yxy	16.2868, 0.3569, 0.4189
Android (android.graphics.Color)	4285428809 (0xFF6E7449)
YUV	109.3040, -17.8979, 0.6104
Hunter-Lab	40.3569, -9.2399, 15.4455

Details

The XYZ color **13.8784, 16.2868, 8.7155** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.7599, 7.6887, 17.5463**, and the grayscale version is **14.6698, 15.4338, 16.8074**.

A 20% lighter version of the original color is **32.4158, 37.0918, 23.8633**, and **4.2012, 5.2102, 1.8828** is the 20% darker color. If you saturate the color by 10%, you get **13.3297, 16.0448, 6.8661**, and if you desaturate by 10%, it is **14.5034, 16.5609, 10.9437**.

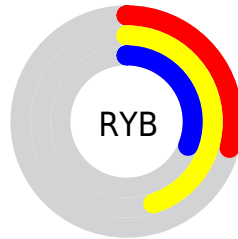
Distribution



Red (43%)

Green (45%)

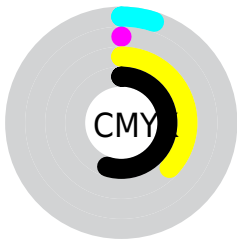
Blue (29%)



Red (29%)

Yellow (45%)

Blue (31%)

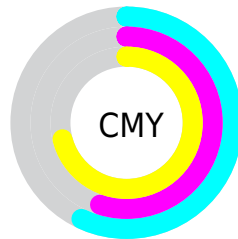


Cyan (5%)

Magenta (0%)

Yellow (37%)

Black (55%)



Cyan (57%)

Magenta (55%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8784, 16.2868, 8.7155 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 13.8784, 16.2868, 8.7155 by changing the saturation by 10% instead.

■ 13.8784, 16.2868,
8.7155

■ 13.8784, 16.2868,
8.7155

209.9988,
231.0282, 191.3804

■ 8.1173, 9.7273,
4.4618

■ 32.4612, 37.0954,
23.9185

■ 4.2225, 5.2185,
1.8820

■ 46.0135, 52.1133,
35.7050

■ 1.8288, 2.3761,
0.4812

■ 62.8937, 70.7195,
50.8394

■ 0.5349, 0.8135,
0.0000

■ 83.4670, 93.2983,
69.7404

■ 0.0000, 0.0000,
0.0000

■ 108.0988,
120.2342, 92.8264

137.1545,

151.9115, 120.5161

170.9994,
188.7147, 153.2279

■ 13.8784, 16.2868,
8.7155

■ 13.8784, 16.2868,
8.7155

■ 13.3297, 16.0448,
6.8661

■ 14.5034, 16.5609,
10.9437

■ 12.8519, 15.8311,
5.3734

■ 15.2072, 16.8663,
13.5691

■ 12.4413, 15.6446,
4.2147

■ 15.9936, 17.2052,
16.6102

■ 12.0927, 15.4833,
3.3640

■ 16.8658, 17.5789,
20.0838

■ 11.8005, 15.3451,
2.7919

■ 17.8270, 17.9886,
24.0062

■ 11.5514, 15.2245,
2.4274

■ 18.8800, 18.4354,
28.3925

■ 11.4803, 15.1900,
2.3269

■ 20.0277, 18.9206,
33.2571

■ 21.2725, 19.4450,
38.6140

■ 22.6172, 20.0099,
44.4765

Harmonies

Analogous

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



16.0063, 16.2868, 8.1820



13.8784, 16.2868, 8.7155



12.3262, 16.2868, 11.3623

Triad

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



13.8784, 16.2868, 8.7155



13.0571, 16.2868, 29.3467



20.0976, 16.2868, 19.2660

Complementary

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



13.8784, 16.2868, 8.7155



8.7599, 7.6887, 17.5463

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.



19.1307, 16.2868, 26.1282



13.8784, 16.2868, 8.7155



14.9656, 16.2868, 32.7816

Square

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



13.8784, 16.2868, 8.7155



11.8846, 16.2868, 22.9264



17.2006, 16.2868, 31.4815



19.7363, 16.2868, 13.3907

Rectangle

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



13.8784, 16.2868, 8.7155



11.7584, 16.2868, 14.4001



17.2006, 16.2868, 31.4815



19.9143, 16.2868, 21.5454

Sweetspot

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



13.8788, 16.2875, 8.7158



27.5125, 29.9840, 26.8553



11.1824, 9.7480, 7.5957



6.5292, 7.1383, 6.2742



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.



13.8788, 16.2875, 8.7158



23.6086, 28.2817, 12.6540



11.5460, 15.0849, 8.6067



3.9188, 4.2416, 3.9545



12.8714, 17.0398, 2.6106



62.1836, 82.7586, 12.6966

Inverse Universe

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



8.7599, 7.6887, 17.5463



13.2955, 10.9493, 30.4572



10.8168, 8.7490, 17.6425



3.5438, 3.6121, 4.6007



3.7704, 1.5350, 18.6401



17.9288, 7.2512, 90.8149

Previews

White Background



This preview shows how the XYZ color 13.8784, 16.2868, 8.7155 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 13.8784, 16.2868, 8.7155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

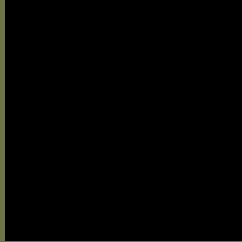
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.8784, 16.2868, 8.7155

Background



This preview shows how black text looks on a background with the XYZ color 13.8784, 16.2868, 8.7155.



This preview shows how white text looks on a background with the XYZ color 13.8784, 16.2868,

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

13.8784, 16.2868, 8.7155

Protanopia

14.9899, 16.1938, 8.4666

Deuteranopia

16.3592, 16.0917, 8.9004



Tritanopia

16.1082, 16.1968, 19.7301

Trichromacy



Original Color

13.8784, 16.2868, 8.7155

Protanomaly

14.5460, 16.1297, 8.4776

Deuteranomaly

15.2694, 16.0062, 8.7633

Tritanomaly

15.1319, 16.1251, 14.8853

Monochromacy



Original Color

13.8784, 16.2868, 8.7155

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.2122, 15.6841, 13.3446

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8784, 16.2868, 8.7155 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(110, 116, 73)` looks like.

```
.text, #text, p{  
    color:rgb(110, 116, 73)  
}
```

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(110, 116, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 116, 73) }
```

Border

The CSS property to change the border of an element to XYZ 13.8784, 16.2868, 8.7155 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(110, 116, 73) }
```


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

```
.border{ border-color:rgb(110, 116, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 116, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 116, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 116, 73);  
box-shadow:4px 4px 4px 4px rgb(110, 116,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8784, 16.2868, 8.7155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 116, 73) }
```

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

```
.background{ background-color: rgb(110,  
116, 73) }
```

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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