

Converting Colors

XYZ(13.7142, 16.7945, 2.5466)

Have a look what the booklet for
XYZ(13.7142, 16.7945, 2.5466)
contains.

XYZ(13.8048, 16.9088, 2.5649)	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(13.8048, 16.9088,
2.5649)**

Conversions

Conversions Part 1

Format	Color
Hex	747701
RGB	116, 119, 1
RGB Percent	45%, 47%, 0%
CMY	0.5451, 0.5333, 0.9960
CMYK	0.03, 0.00, 0.99, 0.53
HSL	62°, 98%, 24%
HSV	62°, 99%, 47%
XYZ	13.8048, 16.9088, 2.5649
YIQ	104.6510, 36.0900, -37.3340

Conversions

Conversions Part 2

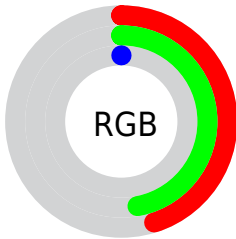
Format	Color
R_{YB}	1, 119, 4
Decimal	7632641
CIE Lab	48.14, -13.66, 53.26
CIE LCh	48, 54.986, 104.386
Yxy	16.9088, 0.4148, 0.5081
Android (android.graphics.Color)	4285822721 (0xFF747701)
YUV	104.6510, -51.0999, 9.9531
Hunter-Lab	41.1203, -12.0350, 25.0860

Details

The XYZ color **13.8048, 16.9088, 2.5649** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.3911, 1.3798, 17.5413**, and the grayscale version is **13.4603, 14.1613, 15.4217**.

A 20% lighter version of the original color is **32.2829, 38.1539, 10.5134**, and **4.3676, 5.5965, 0.8500** is the 20% darker color. If you saturate the color by 10%, you get **13.7962, 16.9056, 2.5360**, and if you desaturate by 10%, it is **13.9120, 16.9570, 2.9175**.

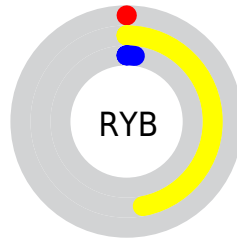
Distribution



Red (45%)

Green (47%)

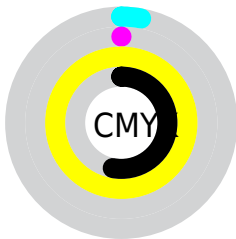
Blue (0%)



Red (0%)

Yellow (47%)

Blue (2%)

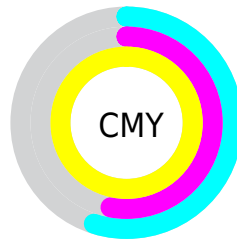


Cyan (3%)

Magenta (0%)

Yellow (99%)

Black (53%)



Cyan (55%)

Magenta (53%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8048, 16.9088, 2.5649 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 13.8048, 16.9088, 2.5649 by changing the saturation by 10% instead.

■ 13.8048, 16.9088,
2.5649

■ 13.8048, 16.9088,
2.5649

209.5481,
234.6463, 130.6100

■ 8.0658, 10.1695,
0.8743

■ 32.3314, 38.1689,
10.5345

■ 4.1893, 5.5115,
0.0000

■ 45.8498, 53.4585,
17.6533

■ 1.8097, 2.5504,
0.0000

■ 62.6920, 72.3670,
27.4194

■ 0.5235, 0.9018,
0.0000


■ 83.2234, 95.2787,
40.2515


■ 0.0000, 0.0000,
0.0000


■ 107.8094,
122.5781, 56.5681


■ 136.8152,


154.6496, 76.7877


 170.6063,
191.8775, 101.3288


 13.8048, 16.9088,
2.5649


 13.8048, 16.9088,
2.5649


 13.7962, 16.9056,
2.5360

 13.9120, 16.9570,
2.9175

 14.0539, 17.0184,
3.4531

 14.2504, 17.1017,
4.2764

 14.5079, 17.2094,
5.4199

 14.8318, 17.3437,
6.9120

■ 15.2268, 17.5064,
8.7780

■ 15.6972, 17.6993,
11.0406

■ 16.2470, 17.9240,
13.7208

■ 16.8801, 18.1820,
16.8384

Harmonies

Analogous

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



18.7928, 16.9088, 2.6061



13.8048, 16.9088, 2.5649



10.2540, 16.9088, 4.9331

Triad

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



13.8048, 16.9088, 2.5649



10.1466, 16.9088, 45.0740



27.1877, 16.9088, 26.8354

Complementary

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



13.8048, 16.9088, 2.5649



3.3911, 1.3798, 17.5413

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.



23.7547, 16.9088, 45.8345



13.8048, 16.9088, 2.5649



13.6262, 16.9088, 59.5438

Square

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



13.8048, 16.9088, 2.5649



8.4577, 16.9088, 26.1110



18.5732, 16.9088, 59.8777



27.2633, 16.9088, 12.3962

Rectangle

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



13.8048, 16.9088, 2.5649



8.8829, 16.9088, 8.9081



18.5732, 16.9088, 59.8777



26.3608, 16.9088, 33.0169

Sweetspot

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



13.8052, 16.9096, 2.5652



27.9627, 31.6335, 19.0676



7.6460, 3.9890, 0.3959



6.5568, 7.4681, 4.1809



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.



13.8052, 16.9096, 2.5652



24.6856, 30.2622, 4.5401



8.3499, 14.0973, 2.3099



3.9579, 4.2618, 3.9563



14.6557, 17.9596, 2.6941



71.3034, 87.4600, 13.1234

Inverse Universe

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



3.3911, 1.3798, 17.5413



6.0123, 2.4106, 31.4015



5.3258, 2.3771, 17.6318



3.5084, 3.5939, 4.5990



3.5767, 1.4352, 18.6311



17.3192, 6.9369, 90.7864

Previews

White Background



This preview shows how the XYZ color 13.8048, 16.9088, 2.5649 looks on a white background.

Color Contrast Check

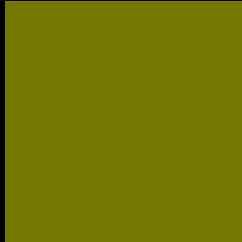
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.8048, 16.9088, 2.5649 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 13.8048, 16.9088, 2.5649

Background



This preview shows how black text looks on a background with the XYZ color 13.8048, 16.9088, 2.5649.



This preview shows how white text looks on a background with the XYZ color 13.8048, 16.9088,

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

13.8048, 16.9088, 2.5649

Protanopia

15.1840, 16.9286, 2.4673

Deuteranopia

16.9817, 16.7014, 2.9448



Tritanopia

17.3264, 16.9859, 19.8182

Trichromacy



Original Color

13.8048, 16.9088, 2.5649

Protanomaly

14.5576, 16.7759, 2.4708

Deuteranomaly

15.6920, 16.6832, 2.7409

Tritanomaly

15.2070, 16.6214, 9.2442

Monochromacy



Original Color

13.8048, 16.9088, 2.5649

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.8957, 14.8083, 7.4888

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8048, 16.9088, 2.5649 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(116, 119, 1)` looks like.

```
.text, #text, p{  
    color:rgb(116, 119, 1)  
}
```

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(116, 119, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 119, 1) }
```

Border

The CSS property to change the border of an element to XYZ 13.8048, 16.9088, 2.5649 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(116, 119, 1) }
```


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

```
.border{ border-color:rgb(116, 119, 1) }
```

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

Here you see how a box with a 4 pixel rgb(116, 119, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 119, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 119, 1);  
box-shadow:4px 4px 4px 4px rgb(116, 119,  
1) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8048, 16.9088, 2.5649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 119, 1) }
```

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

```
.background{ background-color: rgb(116,  
119, 1) }
```

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