

Converting Colors

XYZ(13.8329, 18.0083, 2.7469)

Have a look what the booklet for
XYZ(13.8329, 18.0083, 2.7469)
contains.

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Color

**XYZ(13.8892, 18.0467,
2.7513)**

Conversions

Conversions Part 1

Format	Color
Hex	6F7D00
RGB	111, 125, 0
RGB Percent	44%, 49%, 0%
CMY	0.5647, 0.5098, 1.0000
CMYK	0.11, 0.00, 1.00, 0.51
HSL	67°, 100%, 25%
HSV	67°, 100%, 49%
XYZ	13.8892, 18.0467, 2.7513
YIQ	106.5640, 31.7810, -41.8430

Conversions

Conversions Part 2

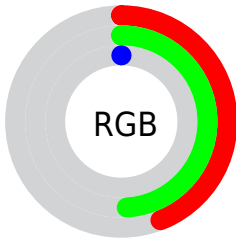
Format	Color
RYB	0, 125, 14
Decimal	7306496
CIELab	49.55, -19.19, 54.33
CIELCh	50, 57.624, 109.457
Yxy	18.0467, 0.4004, 0.5203
Android (android.graphics.Color)	4285496576 (0xFF6F7D00)
YUV	106.5640, -52.5361, 3.8904
Hunter-Lab	42.4814, -15.9823, 25.8971

Details

The XYZ color **13.8892, 18.0467, 2.7513** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.8832, 1.5743, 19.5023**, and the grayscale version is **13.9895, 14.7181, 16.0280**.

A 20% lighter version of the original color is **32.4022, 39.9329, 11.0011**, and **4.3881, 6.0987, 0.9459** is the 20% darker color. If you saturate the color by 10%, you get **13.8895, 18.0475, 2.7515**, and if you desaturate by 10%, it is **14.1367, 18.1669, 3.1258**.

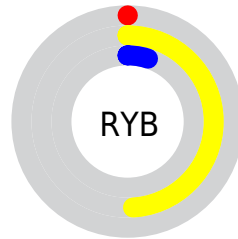
Distribution



Red (44%)

Green (49%)

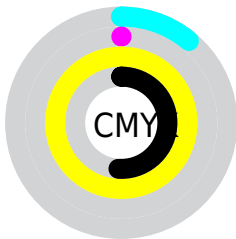
Blue (0%)



Red (0%)

Yellow (49%)

Blue (5%)

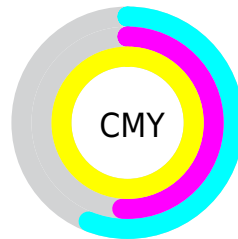


Cyan (11%)

Magenta (0%)

Yellow (100%)

Black (51%)



Cyan (56%)

Magenta (51%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8892, 18.0467, 2.7513 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 13.8892, 18.0467, 2.7513 by changing the saturation by 10% instead.

■ 13.8892, 18.0467,
2.7513

■ 13.8892, 18.0467,
2.7513

210.0649,
241.1341, 133.1272

■ 8.1248, 10.9835,
0.9691

■ 32.4802, 40.1169,
11.0083

■ 4.2274, 6.0558,
0.0000

■ 46.0376, 55.8927,
18.3202

■ 1.8316, 2.8790,
0.0000

■ 62.9233, 75.3415,
28.3125

■ 0.5366, 1.0689,
0.0000


■ 83.5027, 98.8476,
41.4035


■ 0.0000, 0.0000,
0.0000


■ 108.1413,
126.7956, 58.0120


■ 137.2042,


159.5697, 78.5564


 171.0570,
197.5545, 103.4553


 13.8892, 18.0467,
2.7513


 13.8892, 18.0467,
2.7513


 13.8895, 18.0475,
2.7515

 14.1367, 18.1669,
3.1258

 14.4231, 18.3023,
3.6927

 14.7727, 18.4633,
4.5776

 15.1926, 18.6527,
5.8182

 15.6890, 18.8731,
7.4470

■ 16.2674, 19.1266,
9.4927

■ 16.9327, 19.4152,
11.9814

■ 17.6896, 19.7407,
14.9371

■ 18.5421, 20.1048,
18.3819

Harmonies

Analogous

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



19.1455, 18.0467, 2.4380



13.8892, 18.0467, 2.7513



10.3500, 18.0467, 5.8728

Triad

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



13.8892, 18.0467, 2.7513



11.1957, 18.0467, 52.4813



29.6769, 18.0467, 25.6778

Complementary

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



13.8892, 18.0467, 2.7513



3.8832, 1.5743, 19.5023

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.



26.4276, 18.0467, 46.3758



13.8892, 18.0467, 2.7513



15.3035, 18.0467, 66.4828

Square

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



13.8892, 18.0467, 2.7513



9.0386, 18.0467, 31.4579



20.8914, 18.0467, 63.7948



29.0726, 18.0467, 11.2423

Rectangle

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



13.8892, 18.0467, 2.7513



9.0830, 18.0467, 10.8776



20.8914, 18.0467, 63.7948



28.9761, 18.0467, 32.1956

Sweetspot

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



13.8896, 18.0475, 2.7517



30.2283, 34.7261, 21.1009



8.5956, 4.6356, 0.4419



6.7794, 7.8572, 4.4346



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



13.8896, 18.0475, 2.7517



24.7952, 32.2777, 4.9234



8.6497, 15.3463, 2.5065



4.6194, 4.9958, 4.6409



14.4921, 18.8333, 2.8714



0.0000, 0.0000, 0.0000

Inverse Universe

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



3.8832, 1.5743, 19.5023



6.8836, 2.7829, 34.9187



6.6040, 2.9770, 19.6296



4.1502, 4.2330, 5.4116



4.0490, 1.6410, 20.3533



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.8892, 18.0467, 2.7513 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 13.8892, 18.0467, 2.7513 looks on a black 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

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

XYZ 13.8892, 18.0467, 2.7513

Background



This preview shows how black text looks on a background with the XYZ color 13.8892, 18.0467, 2.7513.



This preview shows how white text looks on a background with the XYZ color 13.8892, 18.0467,

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

13.8892, 18.0467, 2.7513

Protanopia

16.1513, 17.9434, 2.6122

Deuteranopia

18.3240, 18.0320, 3.2242



Tritanopia

17.6928, 17.9645, 21.9370

Trichromacy



Original Color

13.8892, 18.0467, 2.7513

Protanomaly

15.2948, 18.0347, 2.6749

Deuteranomaly

16.4256, 17.9025, 2.9706

Tritanomaly

15.3809, 17.5547, 10.1672

Monochromacy



Original Color

13.8892, 18.0467, 2.7513

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.2450, 15.6401, 7.7896

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8892, 18.0467, 2.7513 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(111, 125, 0)` looks like.

```
.text, #text, p{  
    color:rgb(111, 125, 0)  
}
```

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(111, 125, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 125, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.8892, 18.0467, 2.7513 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(111, 125, 0) }
```


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

```
.border{ border-color:rgb(111, 125, 0) }
```

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

Here you see how a box with a 4 pixel rgb(111, 125, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 125, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 125, 0);  
box-shadow:4px 4px 4px 4px rgb(111, 125,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8892, 18.0467, 2.7513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 125, 0) }
```

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

```
.background{ background-color: rgb(111,  
125, 0) }
```

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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