

Converting Colors

XYZ(13.8047, 11.0058, 18.3942)

Have a look what the booklet for
XYZ(13.8047, 11.0058, 18.3942)
contains.

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Color

**XYZ(13.8844, 11.0384,
18.5384)**

Conversions

Conversions Part 1

Format	Color
Hex	785076
RGB	120, 80, 118
RGB Percent	47%, 31%, 46%
CMY	0.5294, 0.6863, 0.5373
CMYK	0.00, 0.33, 0.02, 0.53
HSL	303°, 20%, 39%
HSV	303°, 33%, 47%
XYZ	13.8844, 11.0384, 18.5384
YIQ	96.2920, 11.6420, 20.2980

Conversions

Conversions Part 2

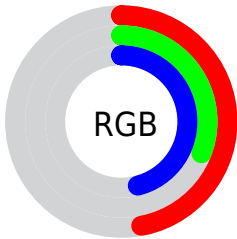
Format	Color
R_{YB}	120, 80, 118
Decimal	7884918
CIE Lab	39.65, 23.48, -14.91
CIE LCh	40, 27.814, 327.585
Yxy	11.0384, 0.3195, 0.2540
Android (android.graphics.Color)	4286074998 (0xFF785076)
YUV	96.2920, 10.7020, 20.7919
Hunter-Lab	33.2241, 16.4533, -9.8258

Details

The XYZ color **13.8844, 11.0384, 18.5384** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **11.5482, 15.7480, 10.4143**, and the grayscale version is **11.1623, 11.7436, 12.7887**.

A 20% lighter version of the original color is **32.4719, 27.7518, 41.6754**, and **4.2033, 2.8883, 6.1303** is the 20% darker color. If you saturate the color by 10%, you get **13.0476, 9.4215, 18.0842**, and if you desaturate by 10%, it is **14.8791, 12.9703, 19.0466**.

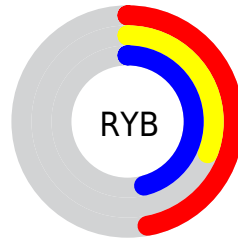
Distribution



Red (47%)

Green (31%)

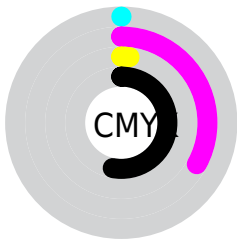
Blue (46%)



Red (47%)

Yellow (31%)

Blue (46%)

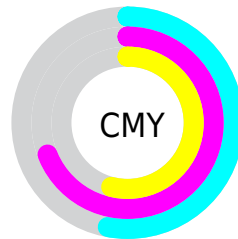


Cyan (0%)

Magenta (33%)

Yellow (2%)

Black (53%)



Cyan (53%)

Magenta (69%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8844, 11.0384, 18.5384 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 13.8844, 11.0384, 18.5384 by changing the saturation by 10% instead.

13.8844, 11.0384,
18.5384

13.8844, 11.0384,
18.5384

210.0355,
197.9308, 256.2257

8.1215, 6.0927,
11.1638

32.4718, 27.7312,
41.7789

4.2252, 2.9015,
6.0616

46.0269, 40.2470,
58.4819

1.8303, 1.0805,
2.8132

62.9101, 56.0549,
79.1313

0.5358, 0.0000,
1.0000

83.4869, 75.5394,
104.1459

0.0000, 0.0000,
0.0000

108.1224, 99.0849,
133.9441

137.1821,

127.0757, 168.9444

171.0314,
159.8962, 209.5655

■ 13.8844, 11.0384,
18.5384

■ 13.8844, 11.0384,
18.5384

■ 13.0476, 9.4215,
18.0842

■ 14.8791, 12.9703,
19.0466

■ 12.3593, 8.1014,
17.6805

■ 16.0383, 15.2311,
19.6106

■ 11.8107, 7.0603,
17.3245

■ 17.3697, 17.8359,
20.2332

■ 11.3916, 6.2780,
17.0127

■ 18.8800, 20.7981,
20.9165

■ 11.0906, 5.7313,
16.7414

■ 20.5756, 24.1307,
21.6627

■ 10.8928, 5.3909,
16.5057

■ 22.4628, 27.8459,
22.4739

■ 10.7831, 5.2080,
16.3565

■ 24.5472, 31.9554,
23.3520

■ 26.8346, 36.4702,
24.2988

■ 29.3301, 41.4012,
25.3162

Harmonies

Analogous

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



12.2742, 11.0384, 23.8686



13.8844, 11.0384, 18.5384



14.5772, 11.0384, 12.4649

Triad

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



13.8844, 11.0384, 18.5384



10.6462, 11.0384, 4.3080



7.5777, 11.0384, 17.5383

Complementary

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



13.8844, 11.0384, 18.5384



11.5482, 15.7480, 10.4143

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.



7.2511, 11.0384, 11.5837



13.8844, 11.0384, 18.5384



8.8907, 11.0384, 4.9307

Square

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



13.8844, 11.0384, 18.5384



12.5724, 11.0384, 5.1780



7.7022, 11.0384, 7.2411



8.6542, 11.0384, 23.1793

Rectangle

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



13.8844, 11.0384, 18.5384



14.3699, 11.0384, 9.1294



7.7022, 11.0384, 7.2411



7.3827, 11.0384, 15.4617

Sweetspot

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



13.8847, 11.0389, 18.5386



28.8980, 28.1367, 34.8180



9.7390, 8.8878, 18.9717



6.7875, 6.5487, 8.2227



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.



13.8847, 11.0389, 18.5386



23.2703, 17.1913, 31.9862



12.8194, 10.6127, 12.9286



4.1462, 4.0742, 4.9678



11.7620, 5.6810, 17.8356



56.0104, 27.0605, 84.5738

Inverse Universe

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



13.8847, 11.0389, 18.5386



23.2703, 17.1913, 31.9862



12.4234, 16.0981, 15.0233



4.1462, 4.0742, 4.9678



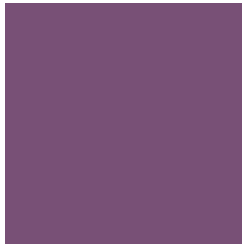
11.7620, 5.6810, 17.8356



56.0104, 27.0605, 84.5738

Previews

White Background



This preview shows how the XYZ color 13.8844, 11.0384, 18.5384 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



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 13.8844, 11.0384, 18.5384

Background



This preview shows how black text looks on a background with the XYZ color 13.8844, 11.0384, 18.5384.



This preview shows how white text looks on a background with the XYZ color 13.8844, 11.0384,

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

13.8844, 11.0384, 18.5384

Protanopia

11.4013, 11.2458, 21.6484

Deuteranopia

11.3932, 11.1906, 18.0825



Tritanopia

12.5164, 11.0516, 11.5987

Trichromacy



Original Color

13.8844, 11.0384, 18.5384

Protanomaly

12.0576, 10.9761, 20.5519

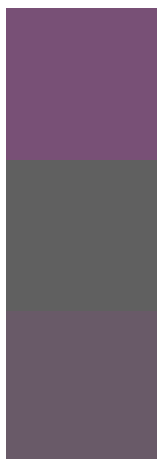
Deuteranomaly

12.1801, 11.0886, 18.3280

Tritanomaly

12.9134, 10.9777, 13.7502

Monochromacy



Original Color

13.8844, 11.0384, 18.5384

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

11.9806, 11.3151, 14.6493

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8844, 11.0384, 18.5384 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(120, 80, 118)` looks like.

```
.text, #text, p{  
    color:rgb(120, 80, 118)  
}
```

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(120, 80, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 80, 118) }
```

Border

The CSS property to change the border of an element to XYZ 13.8844, 11.0384, 18.5384 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(120, 80, 118) }
```


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

```
.border{ border-color:rgb(120, 80, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 80, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 80, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 80, 118);  
box-shadow:4px 4px 4px 4px rgb(120, 80,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8844, 11.0384, 18.5384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 80, 118) }
```

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

```
.background{ background-color: rgb(120, 80,  
118) }
```

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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