

Converting Colors

XYZ(13.7869, 11.7251, 18.5391)

Have a look what the booklet for
XYZ(13.7869, 11.7251, 18.5391)
contains.

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Color

**XYZ(13.8003, 11.6766,
18.6660)**

Conversions

Conversions Part 1

Format	Color
Hex	745676
RGB	116, 86, 118
RGB Percent	45%, 34%, 46%
CMY	0.5451, 0.6627, 0.5373
CMYK	0.02, 0.27, 0.00, 0.54
HSL	296°, 16%, 40%
HSV	296°, 27%, 46%
XYZ	13.8003, 11.6766, 18.6660
YIQ	98.6180, 7.6080, 16.3120

Conversions

Conversions Part 2

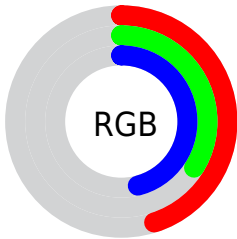
Format	Color
R_{YB}	116, 86, 118
Decimal	7624310
CIE _{Lab}	40.70, 18.41, -13.35
CIE _{LCh}	41, 22.741, 324.056
Yxy	11.6766, 0.3126, 0.2645
Android (android.graphics.Color)	4285814390 (0xFF745676)
YUV	98.6180, 9.5553, 15.2440
Hunter-Lab	34.1710, 12.2896, -8.4676

Details

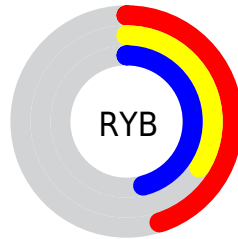
The XYZ color **13.8003, 11.6766, 18.6660** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **12.1830, 15.7037, 11.1937**, and the grayscale version is **11.7395, 12.3509, 13.4501**.

A 20% lighter version of the original color is **32.2083, 28.8354, 41.8984**, and **4.1790, 3.1531, 6.1827** is the 20% darker color. If you saturate the color by 10%, you get **12.8374, 9.8954, 18.3731**, and if you desaturate by 10%, it is **14.9203, 13.7703, 19.0113**.

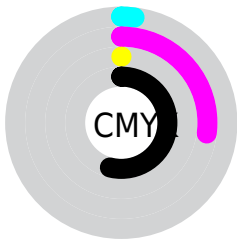
Distribution



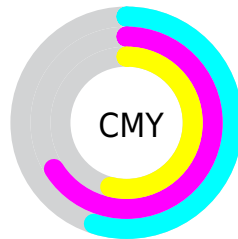
- Red (45%)
- Green (34%)
- Blue (46%)



- Red (45%)
- Yellow (34%)
- Blue (46%)



- Cyan (2%)
- Magenta (27%)
- Yellow (0%)
- Black (54%)



- Cyan (55%)
- Magenta (66%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8003, 11.6766, 18.6660 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 13.8003, 11.6766, 18.6660 by changing the saturation by 10% instead.

■ 13.8003, 11.6766,
18.6660

■ 13.8003, 11.6766,
18.6660

209.5205,
202.2524, 256.9596

■ 8.0627, 6.5239,
11.2548

■ 32.3235, 28.9047,
41.9981

■ 4.1872, 3.1662,
6.1222

■ 45.8398, 41.7489,
58.7561

■ 1.8086, 1.2191,
2.8495

■ 62.6797, 57.9257,
79.4668

■ 0.5228, 0.0772,
1.0183

■ 83.2085, 77.8194,
104.5487

■ 0.0000, 0.0000,
0.0000

■ 107.7917,
101.8146, 134.4205

136.7945,

130.2955, 169.5005

170.5823,
163.6467, 210.2074

■ 13.8003, 11.6766,
18.6660

■ 13.8003, 11.6766,
18.6660

■ 12.8374, 9.8954,
18.3731

■ 14.9203, 13.7703,
19.0113

■ 12.0228, 8.4100,
18.1293

■ 16.2034, 16.1893,
19.4106

■ 11.3486, 7.2044,
17.9322

■ 17.6567, 18.9474,
19.8663

■ 10.8058, 6.2603,
17.7785

■ 19.2863, 22.0571,
20.3807

■ 10.3842, 5.5574,
17.6651

■ 21.0984, 25.5305,
20.9556

■ 10.0722, 5.0725,
17.5879

■ 23.0986, 29.3789,
21.5930

■ 9.8424, 4.7510,
17.5380

■ 25.2922, 33.6132,
22.2947

■ 9.7788, 4.6634,
17.5244

■ 27.6847, 38.2438,
23.0624

■ 30.2809, 43.2808,
23.8978

Harmonies

Analogous

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



12.4097, 11.6766, 22.6595



13.8003, 11.6766, 18.6660



14.4739, 11.6766, 13.6550

Triad

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



13.8003, 11.6766, 18.6660



11.4222, 11.6766, 5.7729



8.5027, 11.6766, 16.6846

Complementary

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



13.8003, 11.6766, 18.6660



12.1830, 15.7037, 11.1937

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.



8.2931, 11.6766, 11.8169



13.8003, 11.6766, 18.6660



9.8826, 11.6766, 6.2107

Square

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



13.8003, 11.6766, 18.6660



13.0181, 11.6766, 6.7982



8.7742, 11.6766, 8.1842



9.3771, 11.6766, 21.3354

Rectangle

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



13.8003, 11.6766, 18.6660



14.3832, 11.6766, 10.6783



8.7742, 11.6766, 8.1842



8.3559, 11.6766, 14.9929

Sweetspot

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



13.8007, 11.6771, 18.6663



28.2323, 27.9771, 34.0491



10.6089, 10.2884, 18.5664



6.4231, 6.3040, 7.8072



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.



13.8007, 11.6771, 18.6663



23.1006, 18.3726, 32.4657



13.3048, 11.5098, 14.6530



3.8051, 3.7469, 4.6129



10.5753, 5.0431, 18.9586



51.2649, 24.4365, 92.3750

Inverse Universe

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



12.5608, 11.2122, 10.7351



20.5226, 17.4093, 15.8231



12.6104, 15.8531, 14.4186



3.6924, 3.7042, 3.9068



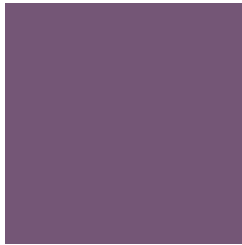
8.1247, 4.1836, 0.5989



39.4792, 20.3418, 2.3208

Previews

White Background



This preview shows how the XYZ color 13.8003, 11.6766, 18.6660 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 13.8003, 11.6766, 18.6660 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 13.8003, 11.6766, 18.6660

Background



This preview shows how black text looks on a background with the XYZ color 13.8003, 11.6766, 18.6660.



This preview shows how white text looks on a background with the XYZ color 13.8003, 11.6766,

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

13.8003, 11.6766, 18.6660

Protanopia

11.7548, 11.7144, 20.7103

Deuteranopia

11.8744, 11.6993, 18.1553



Tritanopia

12.6239, 11.6861, 12.8996

Trichromacy



Original Color

13.8003, 11.6766, 18.6660

Protanomaly

12.3770, 11.6561, 20.0099

Deuteranomaly

12.5455, 11.6501, 18.4171

Tritanomaly

13.0616, 11.7421, 14.9426

Monochromacy



Original Color

13.8003, 11.6766, 18.6660

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.4299, 12.0493, 15.3063

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8003, 11.6766, 18.6660 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, 86, 118)` looks like.

```
.text, #text, p{  
    color:rgb(116, 86, 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(116, 86, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 86, 118) }
```

Border

The CSS property to change the border of an element to XYZ 13.8003, 11.6766, 18.6660 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, 86, 118) }
```


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

```
.border{ border-color:rgb(116, 86, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 86, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 86, 118); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 86, 118); box-shadow:4px 4px 4px 4px rgb(116, 86, 118) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8003, 11.6766, 18.6660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 86, 118) }
```

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

```
.background{ background-color: rgb(116, 86,  
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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