

Converting Colors

XYZ(13.3685, 11.2510, 18.5451)

Have a look what the booklet for
XYZ(13.3685, 11.2510, 18.5451)
contains.

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Color

**XYZ(13.3798, 11.2261,
18.6012)**

Conversions

Conversions Part 1

Format	Color
Hex	725476
RGB	114, 84, 118
RGB Percent	45%, 33%, 46%
CMY	0.5529, 0.6706, 0.5373
CMYK	0.03, 0.29, 0.00, 0.54
HSL	293°, 17%, 40%
HSV	293°, 29%, 46%
XYZ	13.3798, 11.2261, 18.6012
YIQ	96.8460, 6.9660, 16.9340

Conversions

Conversions Part 2

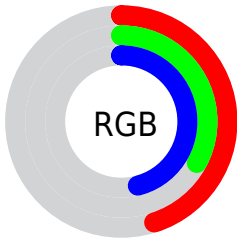
Format	Color
R_{YB}	114, 84, 118
Decimal	7492726
CIE _{Lab}	39.96, 18.90, -14.49
CIE _{LCh}	40, 23.817, 322.514
Yxy	11.2261, 0.3097, 0.2598
Android (android.graphics.Color)	4285682806 (0xFF725476)
YUV	96.8460, 10.4289, 15.0441
Hunter-Lab	33.5054, 12.6465, -9.4623

Details

The XYZ color **13.3798, 11.2261, 18.6012** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **12.1036, 15.6720, 10.7752**, and the grayscale version is **11.2989, 11.8873, 12.9453**.

A 20% lighter version of the original color is **31.5067, 28.0595, 41.7856**, and **3.9786, 2.9522, 6.1545** is the 20% darker color. If you saturate the color by 10%, you get **12.3609, 9.4541, 18.3130**, and if you desaturate by 10%, it is **14.5565, 13.3091, 18.9414**.

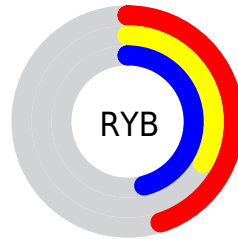
Distribution



Red (45%)

Green (33%)

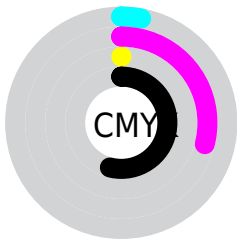
Blue (46%)



Red (45%)

Yellow (33%)

Blue (46%)

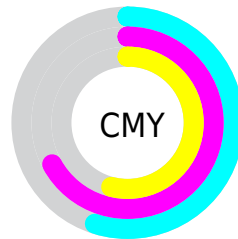


Cyan (3%)

Magenta (29%)

Yellow (0%)

Black (54%)



Cyan (55%)

Magenta (67%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3798, 11.2261, 18.6012 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 13.3798, 11.2261, 18.6012 by changing the saturation by 10% instead.

■ 13.3798, 11.2261,
18.6012

■ 13.3798, 11.2261,
18.6012

206.9264,
199.2122, 256.5872

■ 7.7694, 6.2191,
11.2086

■ 31.5800, 28.0775,
41.8868

■ 3.9983, 2.9788,
6.0914

■ 44.9005, 40.6907,
58.6169

■ 1.7012, 1.1207,
2.8310

■ 61.5217, 56.6082,
79.2965

■ 0.4570, 0.0000,
1.0090

■ 81.8090, 76.2142,
104.3443

■ 0.0000, 0.0000,
0.0000

■ 106.1278, 99.8932,
134.1787

134.8434,

128.0296, 169.2183

168.3211,
161.0079, 209.8816

■ 13.3798, 11.2261,
18.6012

■ 13.3798, 11.2261,
18.6012

■ 12.3609, 9.4541,
18.3130

■ 14.5565, 13.3091,
18.9414

■ 11.4909, 7.9762,
18.0736

■ 15.8971, 15.7161,
19.3353

■ 10.7619, 6.7761,
17.8804

■ 17.4087, 18.4610,
19.7855

■ 10.1645, 5.8352,
17.7303

■ 19.0976, 21.5565,
20.2940

■ 9.6884, 5.1329,
17.6198

■ 20.9700, 25.0146,
20.8628

9.3215, 4.6452,
17.5450

23.0315, 28.8470,
21.4938

9.0272, 4.2985,
17.4936

25.2877, 33.0644,
22.1890

8.9928, 4.2582,
17.4876

27.7438, 37.6775,
22.9499

30.4049, 42.6964,
23.7784

Harmonies

Analogous

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



11.9267, 11.2261, 22.6375



13.3798, 11.2261, 18.6012



14.1207, 11.2261, 13.4410

Triad

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



13.3798, 11.2261, 18.6012



11.0872, 11.2261, 5.2657



8.0084, 11.2261, 16.0275

Complementary

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



13.3798, 11.2261, 18.6012



12.1036, 15.6720, 10.7752

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.



7.8330, 11.2261, 11.0815



13.3798, 11.2261, 18.6012



9.5050, 11.2261, 5.6230

Square

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



13.3798, 11.2261, 18.6012



12.7115, 11.2261, 6.3555



8.3534, 11.2261, 7.5006



8.8598, 11.2261, 20.9051

Rectangle

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



13.3798, 11.2261, 18.6012



14.0628, 11.2261, 10.3649



8.3534, 11.2261, 7.5006



7.8723, 11.2261, 14.2915

Sweetspot

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



13.3802, 11.2266, 18.6014



27.8489, 27.4476, 33.9671



10.4603, 10.2607, 18.5689



6.3359, 6.1898, 7.7898



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.



13.3802, 11.2266, 18.6014



22.2333, 17.4845, 32.3400



13.2192, 11.2236, 14.9788



3.7863, 3.7371, 4.6120



9.7221, 4.6033, 18.9187



46.9069, 22.1899, 92.1711

Inverse Universe

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



12.4034, 10.8973, 10.6827



20.2300, 16.8169, 15.7473



12.2679, 15.6951, 13.5627



3.6999, 3.7072, 3.9463



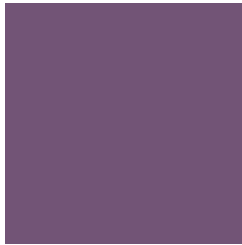
8.1648, 4.1996, 0.8101



39.6152, 20.3962, 3.0373

Previews

White Background



This preview shows how the XYZ color 13.3798, 11.2261, 18.6012 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 13.3798, 11.2261, 18.6012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

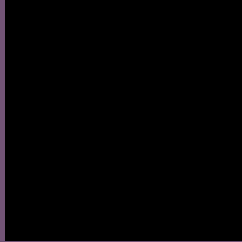
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.3798, 11.2261, 18.6012

Background



This preview shows how black text looks on a background with the XYZ color 13.3798, 11.2261, 18.6012.



This preview shows how white text looks on a background with the XYZ color 13.3798, 11.2261,

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

13.3798, 11.2261, 18.6012

Protanopia

11.4538, 11.2878, 20.9771

Deuteranopia

11.3932, 11.1906, 18.0825



Tritanopia

12.1108, 11.1852, 12.3471

Trichromacy



Original Color

13.3798, 11.2261, 18.6012

Protanomaly

11.9929, 11.2043, 19.9429

Deuteranomaly

12.0388, 11.1384, 18.3450

Tritanomaly

12.5385, 11.2404, 14.3407

Monochromacy



Original Color

13.3798, 11.2261, 18.6012

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.9705, 11.5578, 14.9646

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3798, 11.2261, 18.6012 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(114, 84, 118)` looks like.

```
.text, #text, p{  
    color:rgb(114, 84, 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(114, 84, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 84, 118) }
```

Border

The CSS property to change the border of an element to XYZ 13.3798, 11.2261, 18.6012 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(114, 84, 118) }
```


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

```
.border{ border-color:rgb(114, 84, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 84, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 84, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 84, 118);  
box-shadow:4px 4px 4px 4px rgb(114, 84,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3798, 11.2261, 18.6012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 84, 118) }
```

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

```
.background{ background-color: rgb(114, 84,  
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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