

Converting Colors

XYZ(11.8090, 11.7382, 13.9135)

Have a look what the booklet for
XYZ(11.8090, 11.7382, 13.9135)
contains.

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Color

**XYZ(11.8312, 11.7698,
13.9601)**

Conversions

Conversions Part 1

Format	Color
Hex	665E65
RGB	102, 94, 101
RGB Percent	40%, 37%, 40%
CMY	0.6000, 0.6314, 0.6039
CMYK	0.00, 0.08, 0.01, 0.60
HSL	308°, 4%, 38%
HSV	308°, 8%, 40%
XYZ	11.8312, 11.7698, 13.9601
YIQ	97.1900, 2.5210, 3.8730

Conversions

Conversions Part 2

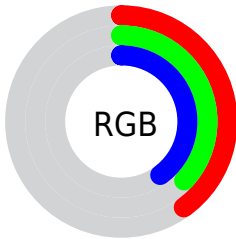
Format	Color
R_{YB}	102, 94, 101
Decimal	6708837
CIE _{Lab}	40.85, 4.62, -2.84
CIE _{LCh}	41, 5.418, 328.443
Yxy	11.7698, 0.3150, 0.3134
Android (android.graphics.Color)	4284898917 (0xFF665E65)
YUV	97.1900, 1.8783, 4.2184
Hunter-Lab	34.3071, 1.5202, -0.1110

Details

The XYZ color **11.8312, 11.7698, 13.9601** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.4335, 12.7091, 12.6777**, and the grayscale version is **11.4044, 11.9983, 13.0662**.

A 20% lighter version of the original color is **28.7776, 28.9858, 33.7838**, and **3.2984, 3.1925, 3.9324** is the 20% darker color. If you saturate the color by 10%, you get **10.9216, 10.0496, 13.3509**, and if you desaturate by 10%, it is **12.8624, 13.7311, 14.6149**.

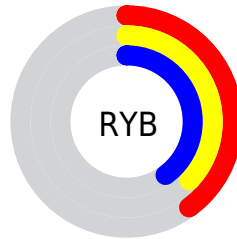
Distribution



Red (40%)

Green (37%)

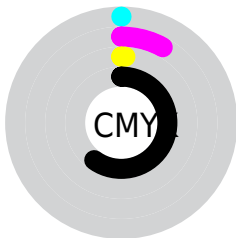
Blue (40%)



Red (40%)

Yellow (37%)

Blue (40%)

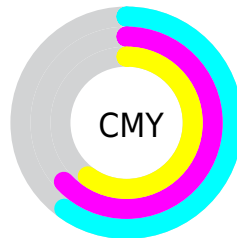


Cyan (0%)

Magenta (8%)

Yellow (1%)

Black (60%)



Cyan (60%)

Magenta (63%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8312, 11.7698, 13.9601 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 11.8312, 11.7698, 13.9601 by changing the saturation by 10% instead.

■ 11.8312, 11.7698,
13.9601

■ 11.8312, 11.7698,
13.9601

197.0774,
202.8753, 228.4023

■ 6.7002, 6.5871,
7.9545

■ 28.8068, 29.0751,
33.7343

■ 3.3200, 3.2053,
3.9785

■ 41.3822, 41.9666,
48.3400

■ 1.3252, 1.2398,
1.6135

■ 57.1697, 58.1965,
66.6495

■ 0.2019, 0.0939,
0.3005

■ 76.5348, 78.1491,
89.0812

■ 0.0000, 0.0000,
0.0000

99.8427, 102.2089,
116.0539

127.4589,

130.7603, 147.9859

159.7487,
164.1876, 185.2958

■ 11.8312, 11.7698,
13.9601

■ 11.8312, 11.7698,
13.9601

■ 10.9216, 10.0496,
13.3509

■ 12.8624, 13.7311,
14.6149

■ 10.1278, 8.5598,
12.7850

■ 14.0185, 15.9410,
15.3159

■ 9.4452, 7.2909,
12.2609

■ 15.3041, 18.4081,
16.0650

■ 8.8685, 6.2321,
11.7768

■ 16.7231, 21.1407,
16.8634

■ 8.3919, 5.3721,
11.3308

■ 18.2794, 24.1462,
17.7124

■ 8.0091, 4.6980,
10.9207

■ 19.9767, 27.4320,
18.6133

■ 7.7129, 4.1958,
10.5442

■ 21.8184, 31.0052,
19.5673

■ 7.4954, 3.8494,
10.1985

■ 23.8081, 34.8725,
20.5756

■ 7.3284, 3.6026,
9.8743

■ 25.9489, 39.0406,
21.6391

Harmonies

Analogous

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



11.5440, 11.7698, 14.7764



11.8312, 11.7698, 13.9601



11.9452, 11.7698, 12.8731

Triad

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



11.8312, 11.7698, 13.9601



11.2070, 11.7698, 10.8060



10.5469, 11.7698, 13.8545

Complementary

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



11.8312, 11.7698, 13.9601



11.4335, 12.7091, 12.6777

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.



10.4613, 11.7698, 12.7576



11.8312, 11.7698, 13.9601



10.8371, 11.7698, 11.0359

Square

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



11.8312, 11.7698, 13.9601



11.5797, 11.7698, 11.0882



10.5663, 11.7698, 11.7349



10.8029, 11.7698, 14.7130

Rectangle

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



11.8312, 11.7698, 13.9601



11.9057, 11.7698, 12.1546



10.5663, 11.7698, 11.7349



10.4975, 11.7698, 13.4995

Sweetspot

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



11.8315, 11.7703, 13.9604



21.7688, 22.5788, 25.1370



11.1139, 11.3947, 14.1843



5.1432, 5.3412, 5.9349



51.1593, 53.8236, 58.6138



5.2251, 5.4972, 5.9864

Same Dimension

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



11.8315, 11.7703, 13.9604



20.5107, 20.1893, 24.3267



11.6434, 11.6951, 12.9698



2.9219, 2.8834, 3.4613



9.3568, 4.5557, 12.5431



48.5804, 23.6722, 64.2591

Inverse Universe

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



11.8315, 11.7703, 13.9604



20.5107, 20.1893, 24.3267



11.6169, 12.7824, 13.6431



2.9219, 2.8834, 3.4613



9.3568, 4.5557, 12.5431



48.5804, 23.6722, 64.2591

Previews

White Background



This preview shows how the XYZ color 11.8312, 11.7698, 13.9601 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 11.8312, 11.7698, 13.9601 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

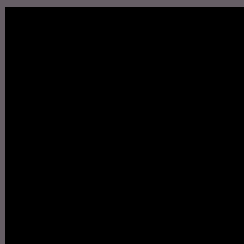
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.8312, 11.7698, 13.9601

Background



This preview shows how black text looks on a background with the XYZ color 11.8312, 11.7698, 13.9601.

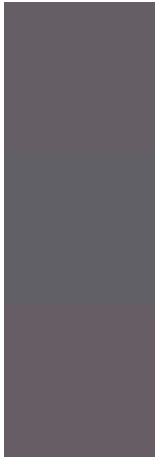


This preview shows how white text looks on a background with the XYZ color 11.8312, 11.7698,

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

11.8312, 11.7698, 13.9601

Protanopia

11.4050, 11.8118, 14.2492

Deuteranopia

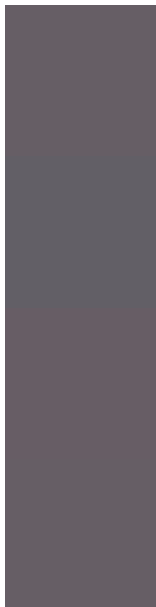
11.8568, 11.6519, 13.9360



Tritanopia

11.8312, 11.7698, 13.9601

Trichromacy



Original Color

11.8312, 11.7698, 13.9601

Protanomaly

11.5275, 11.7404, 14.2289

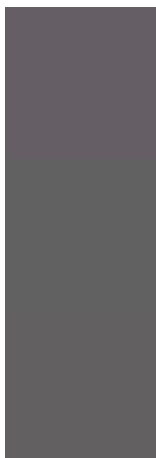
Deuteranomaly

11.8568, 11.6519, 13.9360

Tritanomaly

11.8312, 11.7698, 13.9601

Monochromacy



Original Color

11.8312, 11.7698, 13.9601

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.5331, 11.9002, 13.2444

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8312, 11.7698, 13.9601 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(102, 94, 101)` looks like.

```
.text, #text, p{  
    color:rgb(102, 94, 101)  
}
```

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(102, 94, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 94, 101) }
```

Border

The CSS property to change the border of an element to XYZ 11.8312, 11.7698, 13.9601 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(102, 94, 101) }
```


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

```
.border{ border-color:rgb(102, 94, 101) }
```

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

Here you see how a box with a 4 pixel rgb(102, 94, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 94, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 94, 101);  
box-shadow:4px 4px 4px 4px rgb(102, 94,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8312, 11.7698, 13.9601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 94, 101) }
```

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

```
.background{ background-color: rgb(102, 94,  
101) }
```

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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