

Converting Colors

XYZ(11.6650, 11.8610, 13.6498)

Have a look what the booklet for
XYZ(11.6650, 11.8610, 13.6498)
contains.

XYZ(11.6480, 11.8138, 13.7230)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(11.6480, 11.8138,
13.7230)**

Conversions

Conversions Part 1

Format	Color
Hex	645F64
RGB	100, 95, 100
RGB Percent	39%, 37%, 39%
CMY	0.6078, 0.6274, 0.6078
CMYK	0.00, 0.05, 0.00, 0.61
HSL	300°, 3%, 38%
HSV	300°, 5%, 39%
XYZ	11.6480, 11.8138, 13.7230
YIQ	97.0650, 1.3750, 2.6150

Conversions

Conversions Part 2

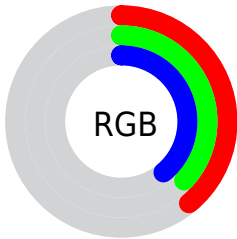
Format	Color
R_{YB}	100, 95, 100
Decimal	6578020
CIE _{Lab}	40.92, 3.02, -2.14
CIE _{LCh}	41, 3.698, 324.656
Yxy	11.8138, 0.3132, 0.3177
Android (android.graphics.Color)	4284768100 (0xFF645F64)
YUV	97.0650, 1.4470, 2.5740
Hunter-Lab	34.3712, 0.3419, 0.3878

Details

The XYZ color **11.6480, 11.8138, 13.7230** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.3425, 12.3738, 12.6176**, and the grayscale version is **11.3748, 11.9672, 13.0323**.

A 20% lighter version of the original color is **28.4738, 29.0645, 33.3874**, and **3.2091, 3.2106, 3.8187** is the 20% darker color. If you saturate the color by 10%, you get **10.8046, 10.1268, 13.4419**, and if you desaturate by 10%, it is **12.6078, 13.7331, 14.0432**.

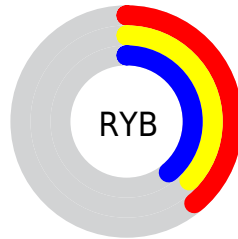
Distribution



Red (39%)

Green (37%)

Blue (39%)



Red (39%)

Yellow (37%)

Blue (39%)

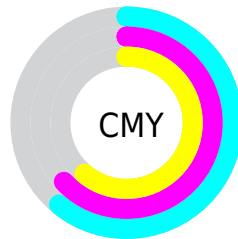


Cyan (0%)

Magenta (5%)

Yellow (0%)

Black (61%)



Cyan (61%)

Magenta (63%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.6480, 11.8138, 13.7230 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 11.6480, 11.8138, 13.7230 by changing the saturation by 10% instead.

■ 11.6480, 11.8138,
13.7230

■ 11.6480, 11.8138,
13.7230

195.8787,
203.1687, 226.8689

■ 6.5750, 6.6170,
7.7917

■ 28.4748, 29.1555,
33.3067

■ 3.2417, 3.2238,
3.8761

■ 40.9593, 42.0693,
47.7963

■ 1.2828, 1.2496,
1.5576

■ 56.6450, 58.3241,
65.9757

■ 0.1703, 0.1017,
0.2603

■ 75.8972, 78.3044,
88.2634

■ 0.0000, 0.0000,
0.0000

99.0813, 102.3947,
115.0781

126.5627,

130.9792, 146.8382

158.7067,
164.4424, 183.9623

■ 11.6480, 11.8138,
13.7230

■ 11.6480, 11.8138,
13.7230

■ 10.8046, 10.1268,
13.4419

■ 12.6078, 13.7331,
14.0432

■ 10.0721, 8.6619,
13.1976

■ 13.6870, 15.8915,
14.4030

■ 9.4463, 7.4103,
12.9889

■ 14.8899, 18.2974,
14.8041

■ 8.9221, 6.3620,
12.8141

■ 16.2204, 20.9582,
15.2477

■ 8.4943, 5.5064,
12.6714

■ 17.6819, 23.8812,
15.7349

8.1569, 4.8316,
12.5588

19.2779, 27.0732,
16.2671

7.9034, 4.3248,
12.4742

21.0117, 30.5409,
16.8451

7.7266, 3.9711,
12.4152

22.8867, 34.2907,
17.4702

7.6100, 3.7380,
12.3762

24.9057, 38.3288,
18.1433

Harmonies

Analogous

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



11.4418, 11.8138, 14.2308



11.6480, 11.8138, 13.7230



11.7419, 11.8138, 12.9991

Triad

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



11.6480, 11.8138, 13.7230



11.2760, 11.8138, 11.4689



10.7734, 11.8138, 13.4795

Complementary

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



11.6480, 11.8138, 13.7230



11.3425, 12.3738, 12.6176

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.



10.7306, 11.8138, 12.7283



11.6480, 11.8138, 13.7230



11.0181, 11.8138, 11.5862

Square

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



11.6480, 11.8138, 13.7230



11.5250, 11.8138, 11.7130



10.8195, 11.8138, 12.0401



10.9375, 11.8138, 14.0864

Rectangle

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



11.6480, 11.8138, 13.7230



11.7272, 11.8138, 12.4987



10.8195, 11.8138, 12.0401



10.7445, 11.8138, 13.2347

Sweetspot

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



11.6483, 11.8143, 13.7233



21.0635, 21.9974, 24.2724



11.1122, 11.5379, 13.6982



5.1863, 5.4197, 5.9735



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.



11.6483, 11.8143, 13.7233



20.2361, 20.3426, 23.9965



11.5292, 11.7666, 13.0958



2.9966, 3.0104, 3.5551



10.1173, 4.8599, 16.5476



52.7668, 25.3467, 86.3044

Inverse Universe

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



11.6483, 11.8143, 13.7233



20.2361, 20.3426, 23.9965



11.4579, 12.4200, 13.2257



2.9966, 3.0104, 3.5551



10.1173, 4.8599, 16.5476



52.7668, 25.3467, 86.3044

Previews

White Background



This preview shows how the XYZ color 11.6480, 11.8138, 13.7230 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 11.6480, 11.8138, 13.7230 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 11.6480, 11.8138, 13.7230

Background



This preview shows how black text looks on a background with the XYZ color 11.6480, 11.8138, 13.7230.



This preview shows how white text looks on a background with the XYZ color 11.6480, 11.8138,

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

11.6480, 11.8138, 13.7230

Protanopia

11.4616, 11.8467, 13.9945

Deuteranopia

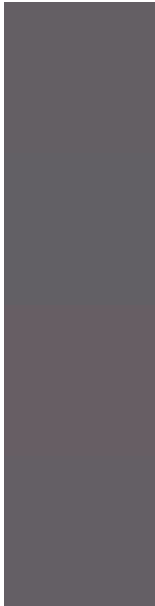
12.0119, 11.8686, 13.7144



Tritanopia

11.7460, 11.8531, 14.2392

Trichromacy



Original Color

11.6480, 11.8138, 13.7230

Protanomaly

11.5688, 11.9020, 13.9995

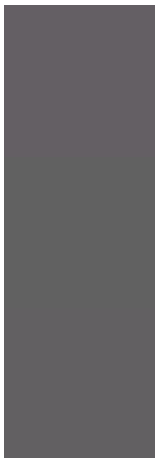
Deuteranomaly

11.8965, 11.8091, 13.7090

Tritanomaly

11.6967, 11.8333, 13.9795

Monochromacy



Original Color

11.6480, 11.8138, 13.7230

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.4245, 11.8443, 13.2393

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.6480, 11.8138, 13.7230 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(100, 95, 100)` looks like.

```
.text, #text, p{  
    color:rgb(100, 95, 100)  
}
```

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(100, 95, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 95, 100) }
```

Border

The CSS property to change the border of an element to XYZ 11.6480, 11.8138, 13.7230 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(100, 95, 100) }
```


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

```
.border{ border-color:rgb(100, 95, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 95, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 95, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 95, 100);  
box-shadow:4px 4px 4px 4px rgb(100, 95,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 11.6480, 11.8138, 13.7230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 95, 100) }
```

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

```
.background{ background-color: rgb(100, 95,  
100) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor