

Converting Colors

XYZ(11.7897, 10.9127, 7.4248)

Have a look what the booklet for
XYZ(11.7897, 10.9127, 7.4248)
contains.

XYZ(11.8012, 10.8924, 7.4417)	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(11.8012, 10.8924,
7.4417)**

Conversions

Conversions Part 1

Format	Color
Hex	755647
RGB	117, 86, 71
RGB Percent	46%, 34%, 28%
CMY	0.5412, 0.6627, 0.7216
CMYK	0.00, 0.26, 0.39, 0.54
HSL	20°, 24%, 37%
HSV	20°, 39%, 46%
XYZ	11.8012, 10.8924, 7.4417
YIQ	93.5590, 23.2910, 1.9070

Conversions

Conversions Part 2

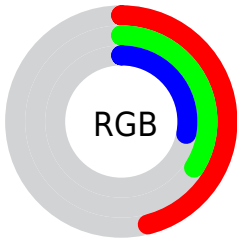
Format	Color
R_{YB}	117, 93, 71
Decimal	7689799
CIE _{Lab}	39.40, 10.65, 13.74
CIE _{LCh}	39, 17.389, 52.221
Yxy	10.8924, 0.3916, 0.3614
Android (android.graphics.Color)	4285879879 (0xFF755647)
YUV	93.5590, -11.1216, 20.5578
Hunter-Lab	33.0036, 6.0704, 9.7338

Details

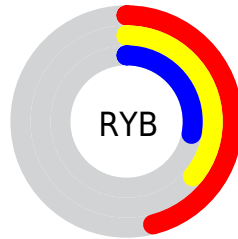
The XYZ color **11.8012, 10.8924, 7.4417** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **10.5606, 12.1262, 18.6135**, and the grayscale version is **10.5571, 11.1069, 12.0954**.

A 20% lighter version of the original color is **28.7115, 27.4863, 21.2449**, and **3.3055, 2.8583, 1.4144** is the 20% darker color. If you saturate the color by 10%, you get **10.8662, 9.5665, 5.4525**, and if you desaturate by 10%, it is **12.8786, 12.3872, 9.8354**.

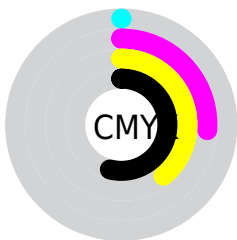
Distribution



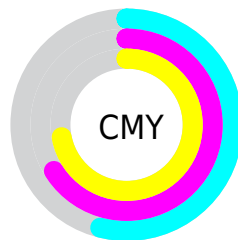
- Red (46%)
- Green (34%)
- Blue (28%)



- Red (46%)
- Yellow (36%)
- Blue (28%)



- Cyan (0%)
- Magenta (26%)
- Yellow (39%)
- Black (54%)



- Cyan (54%)
- Magenta (66%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8012, 10.8924, 7.4417 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 11.8012, 10.8924, 7.4417 by changing the saturation by 10% instead.

■ 11.8012, 10.8924,
7.4417

■ 11.8012, 10.8924,
7.4417

196.8816,
196.9279, 181.0529

■ 6.6797, 5.9945,
3.6572

■ 28.7525, 27.4610,
21.3842

■ 3.3071, 2.8418,
1.4393

■ 41.3130, 39.9006,
32.3794

■ 1.3182, 1.0497,
0.1721

■ 57.0839, 55.6228,
46.6152

■ 0.1968, 0.0000,
0.0000

■ 76.4306, 75.0121,
64.5102

■ 0.0000, 0.0000,
0.0000

■ 99.7183, 98.4528,
86.4829

127.3125,

126.3295, 112.9519

159.5785,
159.0263, 144.3357

■ 11.8012, 10.8924,
7.4417

■ 11.8012, 10.8924,
7.4417

■ 10.8662, 9.5665,
5.4525

■ 12.8786, 12.3872,
9.8354

■ 10.0663, 8.4018,
3.8445

■ 14.1034, 14.0551,
12.6538

■ 9.3948, 7.3922,
2.5928

■ 15.4817, 15.9022,
15.9166

■ 8.8440, 6.5307,
1.6696

■ 17.0186, 17.9338,
19.6421

■ 8.4055, 5.8095,
1.0424

■ 18.7192, 20.1549,
23.8475

■ 8.0561, 5.2150,
0.6050

■ 20.5885, 22.5704,
28.5490

■ 8.0343, 5.1783,
0.5761

■ 22.6308, 25.1848,
33.7624

■ 24.8507, 28.0028,
39.5023

■ 27.2525, 31.0287,
45.7832

Harmonies

Analogous

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



12.5910, 10.8924, 9.5751



11.8012, 10.8924, 7.4417



10.6621, 10.8924, 6.5302

Triad

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



11.8012, 10.8924, 7.4417



8.2698, 10.8924, 11.0047



11.2320, 10.8924, 18.9236

Complementary

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



11.8012, 10.8924, 7.4417



10.5606, 12.1262, 18.6135

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.



10.0498, 10.8924, 19.5050



11.8012, 10.8924, 7.4417



8.3971, 10.8924, 14.4821

Square

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



11.8012, 10.8924, 7.4417



8.6662, 10.8924, 8.3179



9.0282, 10.8924, 17.7516



12.2454, 10.8924, 16.2872

Rectangle

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



11.8012, 10.8924, 7.4417



9.8815, 10.8924, 6.5889



9.0282, 10.8924, 17.7516



10.8391, 10.8924, 19.3838

Sweetspot

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



11.8015, 10.8929, 7.4419



26.9549, 27.4517, 26.6670



12.0092, 9.2564, 13.8371



6.1431, 6.2391, 6.0023



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.



11.8015, 10.8929, 7.4419



19.6306, 17.3781, 10.1219



13.8959, 15.0819, 8.1401



3.7725, 3.8780, 3.8920



8.8389, 5.6791, 0.6303



42.3685, 26.2656, 2.8367

Inverse Universe

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



10.5606, 12.1262, 18.6135



17.0733, 19.8982, 33.0779



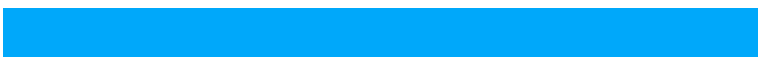
8.6369, 8.2788, 17.9723



3.6875, 3.9635, 4.6609



6.5913, 7.5223, 19.6471



31.3155, 35.0476, 95.4746

Previews

White Background



This preview shows how the XYZ color 11.8012, 10.8924, 7.4417 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 11.8012, 10.8924, 7.4417 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 11.8012, 10.8924, 7.4417

Background



This preview shows how black text looks on a background with the XYZ color 11.8012, 10.8924, 7.4417.



This preview shows how white text looks on a background with the XYZ color 11.8012, 10.8924,

7.4417.

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

11.8012, 10.8924, 7.4417

Protanopia

10.2960, 10.9758, 8.0544

Deuteranopia

11.1083, 10.9020, 7.3132



Tritanopia

12.5465, 10.8466, 11.1052

Trichromacy



Original Color

11.8012, 10.8924, 7.4417

Protanomaly

10.8026, 10.8575, 7.8297

Deuteranomaly

11.4053, 10.9324, 7.3034

Tritanomaly

12.2029, 10.8167, 9.6283

Monochromacy



Original Color

11.8012, 10.8924, 7.4417

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.9003, 10.9788, 10.3487

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8012, 10.8924, 7.4417 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(117, 86, 71)` looks like.

```
.text, #text, p{  
    color:rgb(117, 86, 71)  
}
```

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(117, 86, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 86, 71) }
```

Border

The CSS property to change the border of an element to XYZ 11.8012, 10.8924, 7.4417 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(117, 86, 71) }
```


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

```
.border{ border-color:rgb(117, 86, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 86, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 86, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 86, 71);  
box-shadow:4px 4px 4px 4px rgb(117, 86,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8012, 10.8924, 7.4417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 86, 71) }
```

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

```
.background{ background-color: rgb(117, 86,  
71) }
```

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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