

Converting Colors

XYZ(12.1193, 11.2113, 8.6723)

Have a look what the booklet for
XYZ(12.1193, 11.2113, 8.6723)
contains.

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Color

**XYZ(12.2010, 11.3114,
8.7480)**

Conversions

Conversions Part 1

Format	Color
Hex	75584E
RGB	117, 88, 78
RGB Percent	46%, 35%, 31%
CMY	0.5412, 0.6549, 0.6941
CMYK	0.00, 0.25, 0.33, 0.54
HSL	15°, 20%, 38%
HSV	15°, 33%, 46%
XYZ	12.2010, 11.3114, 8.7480
YIQ	95.5310, 20.4940, 3.0380

Conversions

Conversions Part 2

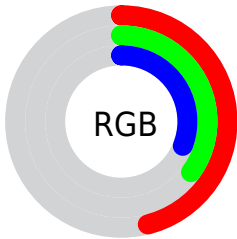
Format	Color
R_{YB}	117, 91, 78
Decimal	7690318
CIE Lab	40.10, 10.41, 10.42
CIE LCh	40, 14.735, 45.025
Yxy	11.3114, 0.3782, 0.3506
Android (android.graphics.Color)	4285880398 (0xFF75584E)
YUV	95.5310, -8.6428, 18.8283
Hunter-Lab	33.6324, 5.8986, 8.1210

Details

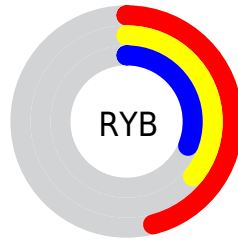
The XYZ color **12.2010, 11.3114, 8.7480** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **11.6104, 13.4191, 18.8079**, and the grayscale version is **11.0218, 11.5958, 12.6278**.

A 20% lighter version of the original color is **29.4968, 28.2553, 23.9778**, and **3.5006, 3.0004, 1.9080** is the 20% darker color. If you saturate the color by 10%, you get **11.1464, 9.8147, 6.5078**, and if you desaturate by 10%, it is **13.4161, 13.0095, 11.4102**.

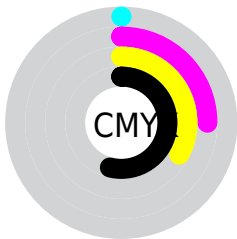
Distribution



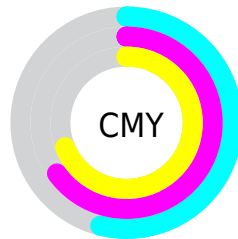
- Red (46%)
- Green (35%)
- Blue (31%)



- Red (46%)
- Yellow (36%)
- Blue (31%)



- Cyan (0%)
- Magenta (25%)
- Yellow (33%)
- Black (54%)



- Cyan (54%)
- Magenta (65%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2010, 11.3114, 8.7480 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 12.2010, 11.3114, 8.7480 by changing the saturation by 10% instead.

■ 12.2010, 11.3114,
8.7480

■ 12.2010, 11.3114,
8.7480

199.4743,
199.7917, 191.6350

■ 6.9539, 6.2767,
4.4826

■ 29.4743, 28.2346,
23.9822

■ 3.4794, 3.0140,
1.8937

■ 42.2313, 40.8918,
35.7881

■ 1.4120, 1.1391,
0.4887

■ 58.2222, 56.8587,
50.9447

■ 0.2648, 0.0111,
0.0000

■ 77.8125, 76.5197,
69.8703

■ 0.0000, 0.0000,
0.0000

■ 101.3675,
100.2590, 92.9836

129.2526,

128.4612, 120.7032

161.8331,
161.5106, 153.4475

■ 12.2010, 11.3114,
8.7480

■ 12.2010, 11.3114,
8.7480

■ 11.1464, 9.8147,
6.5078

■ 13.4161, 13.0095,
11.4102

■ 10.2444, 8.5103,
4.6672

■ 14.7974, 14.9146,
14.5140

■ 9.4878, 7.3905,
3.2024

■ 16.3512, 17.0339,
18.0787

■ 8.8686, 6.4469,
2.0872

■ 18.0833, 19.3739,
22.1219

■ 8.3777, 5.6700,
1.2916

■ 19.9994, 21.9409,
26.6606

■ 8.0039, 5.0491,
0.7767

■ 22.1046, 24.7408,
31.7109

■ 7.8006, 4.7108,
0.4981

■ 24.4040, 27.7793,
37.2880

■ 26.9026, 31.0619,
43.4068

■ 29.6050, 34.5939,
50.0812

Harmonies

Analogous

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



12.7633, 11.3114, 10.9139



12.2010, 11.3114, 8.7480



11.2671, 11.3114, 7.6395

Triad

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



12.2010, 11.3114, 8.7480



8.9621, 11.3114, 10.9182



11.2687, 11.3114, 18.5917

Complementary

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



12.2010, 11.3114, 8.7480



11.6104, 13.4191, 18.8079

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.



10.2512, 11.3114, 18.5934



12.2010, 11.3114, 8.7480



8.9624, 11.3114, 13.8338

Square

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



12.2010, 11.3114, 8.7480



9.4199, 11.3114, 8.7507



9.4210, 11.3114, 16.7426



12.2023, 11.3114, 16.7384

Rectangle

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



12.2010, 11.3114, 8.7480



10.5799, 11.3114, 7.5169



9.4210, 11.3114, 16.7426



10.9242, 11.3114, 18.8174

Sweetspot

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



12.2013, 11.3119, 8.7482



27.3198, 27.8329, 27.8634



12.7276, 10.2976, 15.2959



6.2130, 6.3058, 6.2504



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.



12.2013, 11.3119, 8.7482



20.3694, 18.1606, 12.5112



13.9952, 14.8997, 9.3462



3.7533, 3.8395, 3.8856



8.5831, 5.1674, 0.5450



41.2271, 23.9826, 2.4562

Inverse Universe

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



11.6104, 13.4191, 18.8079



19.1324, 22.5428, 33.4798



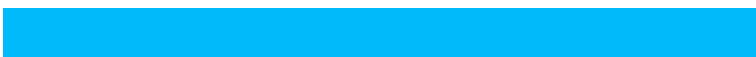
9.8221, 9.8427, 18.2118



3.7076, 4.0039, 4.6677



7.2795, 8.8987, 19.8765



34.7582, 41.9330, 96.6222

Previews

White Background



This preview shows how the XYZ color 12.2010, 11.3114, 8.7480 looks on a white background.

Color Contrast Check

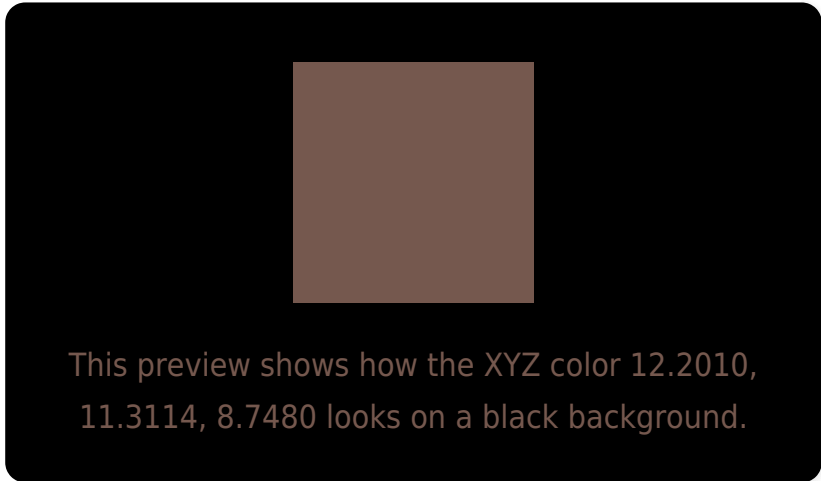
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 12.2010, 11.3114, 8.7480

Background



This preview shows how black text looks on a background with the XYZ color 12.2010, 11.3114, 8.7480.



This preview shows how white text looks on a background with the XYZ color 12.2010, 11.3114,

8.7480.

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

12.2010, 11.3114, 8.7480

Protanopia

10.7434, 11.3088, 9.4012

Deuteranopia

11.5110, 11.3330, 8.6020



Tritanopia

12.7308, 11.2798, 11.6315

Trichromacy



Original Color

12.2010, 11.3114, 8.7480

Protanomaly

11.2190, 11.2977, 9.1788

Deuteranomaly

11.8058, 11.3589, 8.5914

Tritanomaly

12.5997, 11.3561, 10.5447

Monochromacy



Original Color

12.2010, 11.3114, 8.7480

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

11.4264, 11.4930, 11.0673

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2010, 11.3114, 8.7480 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, 88, 78)` looks like.

```
.text, #text, p{  
    color:rgb(117, 88, 78)  
}
```

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, 88, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 88, 78) }
```

Border

The CSS property to change the border of an element to XYZ 12.2010, 11.3114, 8.7480 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, 88, 78) }
```


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

```
.border{ border-color:rgb(117, 88, 78) }
```

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

Here you see how a box with a 4 pixel rgb(117, 88, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 88, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 88, 78);  
box-shadow:4px 4px 4px 4px rgb(117, 88,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2010, 11.3114, 8.7480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 88, 78) }
```

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

```
.background{ background-color: rgb(117, 88,  
78) }
```

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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