

Converting Colors

XYZ(12.7750, 12.0045, 8.5708)

Have a look what the booklet for
XYZ(12.7750, 12.0045, 8.5708)
contains.

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Color

**XYZ(12.7913, 11.9970,
8.4790)**

Conversions

Conversions Part 1

Format	Color
Hex	785B4C
RGB	120, 91, 76
RGB Percent	47%, 36%, 30%
CMY	0.5294, 0.6431, 0.7020
CMYK	0.00, 0.24, 0.37, 0.53
HSL	20°, 22%, 38%
HSV	20°, 37%, 47%
XYZ	12.7913, 11.9970, 8.4790
YIQ	97.9610, 22.0990, 1.4830

Conversions

Conversions Part 2

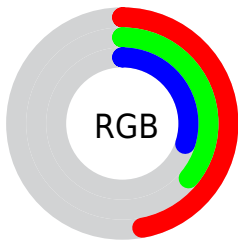
Format	Color
R _Y B	120, 99, 76
Decimal	7887692
CIE Lab	41.21, 9.63, 13.23
CIE LCh	41, 16.366, 53.961
Yxy	11.9970, 0.3845, 0.3606
Android (android.graphics.Color)	4286077772 (0xFF785B4C)
YUV	97.9610, -10.8268, 19.3282
Hunter-Lab	34.6367, 5.3057, 9.7316

Details

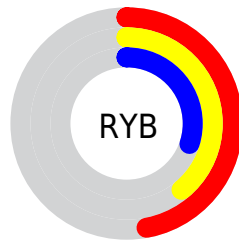
The XYZ color **12.7913, 11.9970, 8.4790** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **11.4221, 12.9954, 19.6756**, and the grayscale version is **11.6222, 12.2275, 13.3157**.

A 20% lighter version of the original color is **30.4601, 29.4147, 23.4742**, and **3.7249, 3.2831, 1.8039** is the 20% darker color. If you saturate the color by 10%, you get **11.7717, 10.5642, 6.2693**, and if you desaturate by 10%, it is **13.9607, 13.6046, 11.1229**.

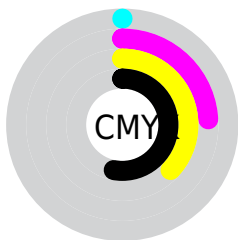
Distribution



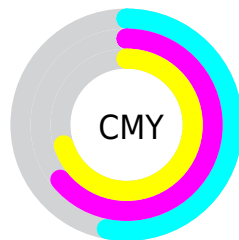
- Red (47%)
- Green (36%)
- Blue (30%)



- Red (47%)
- Yellow (39%)
- Blue (30%)



- Cyan (0%)
- Magenta (24%)
- Yellow (37%)
- Black (53%)



- Cyan (53%)
- Magenta (64%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7913, 11.9970, 8.4790 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 12.7913, 11.9970, 8.4790 by changing the saturation by 10% instead.

■ 12.7913, 11.9970,
8.4790

■ 12.7913, 11.9970,
8.4790

203.2405,
204.3854, 189.5149

■ 7.3610, 6.7416,
4.3108

■ 30.5328, 29.4896,
23.4537

■ 3.7372, 3.3011,
1.7974

■ 43.5748, 42.4957,
35.0974

■ 1.5546, 1.2909,
0.4262

■ 59.8847, 58.8541,
50.0699

■ 0.3625, 0.1341,
0.0000

■ 79.8279, 78.9493,
68.7899

■ 0.0000, 0.0000,
0.0000

■ 103.7697,
103.1656, 91.6758

132.0755,

131.8875, 119.1463

165.1107,
165.4993, 151.6198

■ 12.7913, 11.9970,
8.4790

■ 12.7913, 11.9970,
8.4790

■ 11.7717, 10.5642,
6.2693

■ 13.9607, 13.6046,
11.1229

■ 10.8943, 9.2984,
4.4695

■ 15.2850, 15.3911,
14.2220

■ 10.1524, 8.1937,
3.0540

■ 16.7702, 17.3626,
17.7970

■ 9.5383, 7.2429,
1.9940

■ 18.4219, 19.5243,
21.8668

■ 9.0433, 6.4386,
1.2564

■ 20.2451, 21.8814,
26.4494

■ 8.6517, 5.7700,
0.7726

■ 22.2448, 24.4387,
31.5621

■ 8.5357, 5.5731,
0.6258

■ 24.4258, 27.2008,
37.2211

■ 26.7926, 30.1723,
43.4420

■ 29.3495, 33.3576,
50.2398

Harmonies

Analogous

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



13.6058, 11.9970, 10.5961



12.7913, 11.9970, 8.4790



11.6433, 11.9970, 7.6051

Triad

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



12.7913, 11.9970, 8.4790



9.2908, 11.9970, 12.3905



12.3498, 11.9970, 19.9506

Complementary

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



12.7913, 11.9970, 8.4790



11.4221, 12.9954, 19.6756

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.



11.1656, 11.9970, 20.6539



12.7913, 11.9970, 8.4790



9.4514, 11.9970, 15.8851

Square

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



12.7913, 11.9970, 8.4790



9.6638, 11.9970, 9.5987



10.1186, 11.9970, 19.0571



13.3388, 11.9970, 17.2735

Rectangle

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



12.7913, 11.9970, 8.4790



10.8638, 11.9970, 7.7143



10.1186, 11.9970, 19.0571



11.9593, 11.9970, 20.4430

Sweetspot

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



12.7916, 11.9976, 8.4792



28.2575, 28.9003, 28.3009



12.8972, 10.1889, 14.7416



6.6311, 6.7620, 6.5491



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



12.7916, 11.9976, 8.4792



20.9721, 18.9609, 11.5945



14.9183, 16.2509, 9.1881



4.0997, 4.2178, 4.2225



9.2997, 6.0552, 0.6786



43.6419, 27.4472, 2.9977

Inverse Universe

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



11.4221, 12.9954, 19.6756



18.1836, 20.9771, 34.3437



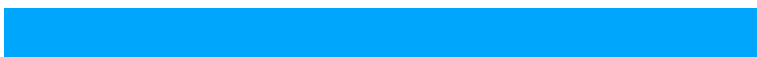
9.4896, 9.1304, 19.0315



3.9974, 4.2932, 5.0612



6.7420, 7.5664, 20.4904



31.3465, 34.4656, 97.4702

Previews

White Background



This preview shows how the XYZ color 12.7913, 11.9970, 8.4790 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 12.7913, 11.9970, 8.4790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

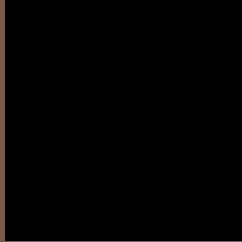
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.7913, 11.9970, 8.4790

Background



This preview shows how black text looks on a background with the XYZ color 12.7913, 11.9970, 8.4790.



This preview shows how white text looks on a background with the XYZ color 12.7913, 11.9970,

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

12.7913, 11.9970, 8.4790

Protanopia

11.2795, 11.9975, 9.1184

Deuteranopia

12.1583, 11.9279, 8.4990



Tritanopia

13.5813, 11.9432, 12.4159

Trichromacy



Original Color

12.7913, 11.9970, 8.4790

Protanomaly

11.7740, 11.9857, 8.9006

Deuteranomaly

12.3341, 11.8891, 8.4822

Tritanomaly

13.2190, 11.9143, 10.8355

Monochromacy



Original Color

12.7913, 11.9970, 8.4790

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.8815, 11.9868, 11.3603

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7913, 11.9970, 8.4790 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(120, 91, 76)` looks like.

```
.text, #text, p{  
    color:rgb(120, 91, 76)  
}
```

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(120, 91, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 91, 76) }
```

Border

The CSS property to change the border of an element to XYZ 12.7913, 11.9970, 8.4790 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(120, 91, 76) }
```


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

```
.border{ border-color:rgb(120, 91, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 91, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 91, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 91, 76);  
box-shadow:4px 4px 4px 4px rgb(120, 91,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7913, 11.9970, 8.4790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 91, 76) }
```

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

```
.background{ background-color: rgb(120, 91,  
76) }
```

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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