

Converting Colors

XYZ(13.0097, 11.9979, 9.9963)

Have a look what the booklet for
XYZ(13.0097, 11.9979, 9.9963)
contains.

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Color

**XYZ(13.0021, 11.9455,
10.0079)**

Conversions

Conversions Part 1

Format	Color
Hex	785A54
RGB	120, 90, 84
RGB Percent	47%, 35%, 33%
CMY	0.5294, 0.6470, 0.6706
CMYK	0.00, 0.25, 0.30, 0.53
HSL	10°, 18%, 40%
HSV	10°, 30%, 47%
XYZ	13.0021, 11.9455, 10.0079
YIQ	98.2860, 19.8060, 4.4940

Conversions

Conversions Part 2

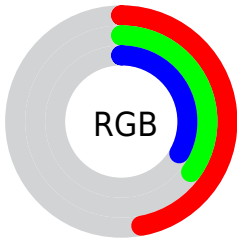
Format	Color
R_{YB}	120, 91, 84
Decimal	7887444
CIE _{Lab}	41.13, 11.38, 8.24
CIE _{LCh}	41, 14.051, 35.902
Yxy	11.9455, 0.3720, 0.3417
Android (android.graphics.Color)	4286077524 (0xFF785A54)
YUV	98.2860, -7.0430, 19.0432
Hunter-Lab	34.5623, 6.6666, 7.0255

Details

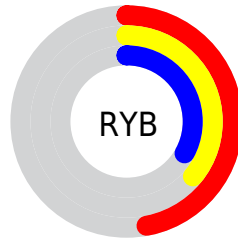
The XYZ color **13.0021, 11.9455, 10.0079** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **13.0634, 15.2749, 20.0291**, and the grayscale version is **11.6945, 12.3036, 13.3986**.

A 20% lighter version of the original color is **30.9147, 29.3616, 26.5922**, and **3.7927, 3.2499, 2.3469** is the 20% darker color. If you saturate the color by 10%, you get **11.7844, 10.1989, 7.4785**, and if you desaturate by 10%, it is **14.4145, 13.9524, 12.9998**.

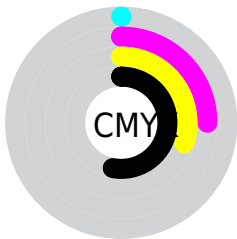
Distribution



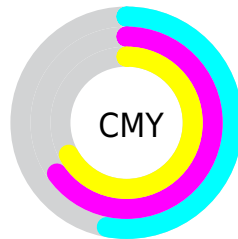
- Red (47%)
- Green (35%)
- Blue (33%)



- Red (47%)
- Yellow (36%)
- Blue (33%)



- Cyan (0%)
- Magenta (25%)
- Yellow (30%)
- Black (53%)



- Cyan (53%)
- Magenta (65%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0021, 11.9455, 10.0079 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 13.0021, 11.9455, 10.0079 by changing the saturation by 10% instead.

■ 13.0021, 11.9455,
10.0079

■ 13.0021, 11.9455,
10.0079

204.5684,
204.0442, 201.2153

■ 7.5070, 6.7066,
5.2985

■ 30.9088, 29.3958,
26.4184

■ 3.8303, 3.2793,
2.3617

■ 44.0512, 42.3760,
38.9566

■ 1.6066, 1.2792,
0.7655

■ 60.4733, 58.7054,
54.9415

■ 0.3967, 0.1250,
0.0000

■ 80.5406, 78.7683,
74.7917

■ 0.0000, 0.0000,
0.0000

■ 104.6184,
102.9493, 98.9256

133.0721,

131.6327, 127.7618

166.2670,
165.2028, 161.7188

■ 13.0021, 11.9455,
10.0079

■ 13.0021, 11.9455,
10.0079

■ 11.7844, 10.1989,
7.4785

■ 14.4145, 13.9524,
12.9998

■ 10.7518, 8.7003,
5.3877

■ 16.0286, 16.2279,
16.4750

■ 9.8954, 7.4388,
3.7107

■ 17.8524, 18.7822,
20.4539

■ 9.2051, 6.4023,
2.4197

■ 19.8932, 21.6241,
24.9554

■ 8.6697, 5.5771,
1.4837

■ 22.1577, 24.7624,
29.9976

■ 8.2766, 4.9486,
0.8668

■ 24.6525, 28.2053,
35.5976

■ 7.9961, 4.4937,
0.4460

■ 27.3839, 31.9607,
41.7718

■ 7.9960, 4.4937,
0.4459

■ 30.3579, 36.0362,
48.5359

■ 33.5804, 40.4392,
55.9051

Harmonies

Analogous

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



13.3990, 11.9455, 12.4426



13.0021, 11.9455, 10.0079



12.1660, 11.9455, 8.5583

Triad

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



13.0021, 11.9455, 10.0079



9.6704, 11.9455, 10.8637



11.5549, 11.9455, 19.3663

Complementary

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



13.0021, 11.9455, 10.0079



13.0634, 15.2749, 20.0291

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.



10.5786, 11.9455, 18.7783



13.0021, 11.9455, 10.0079



9.5282, 11.9455, 13.5875

Square

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



13.0021, 11.9455, 10.0079



10.2518, 11.9455, 8.9987



9.8511, 11.9455, 16.5515



12.5322, 11.9455, 18.0566

Rectangle

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



13.0021, 11.9455, 10.0079



11.4933, 11.9455, 8.2070



9.8511, 11.9455, 16.5515



11.2155, 11.9455, 19.3863

Sweetspot

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



13.0024, 11.9461, 10.0081



28.4280, 28.8743, 29.4896



13.9533, 11.5487, 17.4133



6.6501, 6.7206, 6.7999



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.



13.0024, 11.9461, 10.0081



21.3588, 18.8483, 14.4556



14.7085, 15.3583, 10.5769



4.0474, 4.1132, 4.2051



8.7153, 4.8865, 0.4838



41.1394, 22.4423, 2.1635

Inverse Universe

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



13.0634, 15.2749, 20.0291



21.4805, 25.6923, 35.0800



11.2293, 11.6067, 19.4177



4.0529, 4.4041, 5.0796



8.6604, 11.4032, 21.1299



40.7764, 53.3254, 100.6135

Previews

White Background



This preview shows how the XYZ color 13.0021, 11.9455, 10.0079 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 13.0021, 11.9455, 10.0079 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 13.0021, 11.9455, 10.0079

Background



This preview shows how black text looks on a background with the XYZ color 13.0021, 11.9455, 10.0079.

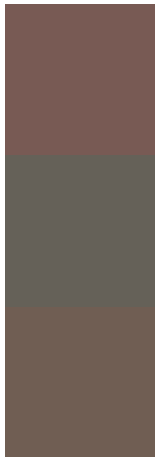


This preview shows how white text looks on a background with the XYZ color 13.0021, 11.9455,

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

13.0021, 11.9455, 10.0079

Protanopia

11.4030, 12.0207, 10.9517

Deuteranopia

12.2461, 12.0747, 9.8688



Tritanopia

13.4404, 11.8706, 12.4093

Trichromacy



Original Color

13.0021, 11.9455, 10.0079

Protanomaly

11.9073, 11.8817, 10.6826

Deuteranomaly

12.5459, 12.0981, 9.8575

Tritanomaly

13.3459, 11.9650, 11.5036

Monochromacy



Original Color

13.0021, 11.9455, 10.0079

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

12.0119, 12.0389, 12.0466

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0021, 11.9455, 10.0079 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, 90, 84)` looks like.

```
.text, #text, p{  
    color:rgb(120, 90, 84)  
}
```

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, 90, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 90, 84) }
```

Border

The CSS property to change the border of an element to XYZ 13.0021, 11.9455, 10.0079 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, 90, 84) }
```


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

```
.border{ border-color:rgb(120, 90, 84) }
```

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

Here you see how a box with a 4 pixel rgb(120, 90, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 90, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 90, 84);  
box-shadow:4px 4px 4px 4px rgb(120, 90,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0021, 11.9455, 10.0079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 90, 84) }
```

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

```
.background{ background-color: rgb(120, 90,  
84) }
```

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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