

Converting Colors

XYZ(13.0162, 12.3154, 10.9965)

Have a look what the booklet for
XYZ(13.0162, 12.3154, 10.9965)
contains.

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Color

**XYZ(13.0119, 12.3152,
10.9238)**

Conversions

Conversions Part 1

Format	Color
Hex	755D58
RGB	117, 93, 88
RGB Percent	46%, 36%, 35%
CMY	0.5412, 0.6353, 0.6549
CMYK	0.00, 0.21, 0.25, 0.54
HSL	10°, 14%, 40%
HSV	10°, 25%, 46%
XYZ	13.0119, 12.3152, 10.9238
YIQ	99.6060, 15.9090, 3.5330

Conversions

Conversions Part 2

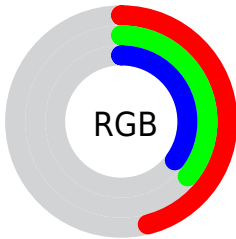
Format	Color
R_{YB}	117, 94, 88
Decimal	7691608
CIE Lab	41.71, 8.93, 6.57
CIE LCh	42, 11.089, 36.346
Yxy	12.3152, 0.3589, 0.3397
Android (android.graphics.Color)	4285881688 (0xFF755D58)
YUV	99.6060, -5.7218, 15.2545
Hunter-Lab	35.0930, 4.7720, 6.1092

Details

The XYZ color **13.0119, 12.3152, 10.9238** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.0294, 14.9469, 19.0279**, and the grayscale version is **12.0244, 12.6506, 13.7765**.

A 20% lighter version of the original color is **30.9875, 30.0259, 28.2071**, and **3.8365, 3.4364, 2.7466** is the 20% darker color. If you saturate the color by 10%, you get **11.7690, 10.5437, 8.3073**, and if you desaturate by 10%, it is **14.4409, 14.3342, 13.9865**.

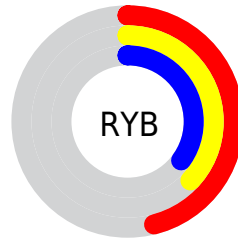
Distribution



Red (46%)

Green (36%)

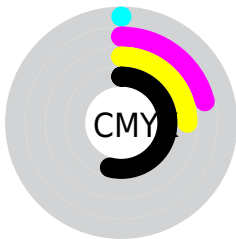
Blue (35%)



Red (46%)

Yellow (37%)

Blue (35%)

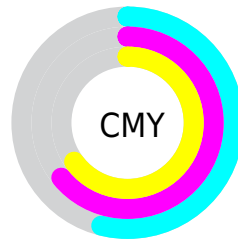


Cyan (0%)

Magenta (21%)

Yellow (25%)

Black (54%)



Cyan (54%)

Magenta (64%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0119, 12.3152, 10.9238 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 13.0119, 12.3152, 10.9238 by changing the saturation by 10% instead.

■ 13.0119, 12.3152,
10.9238

■ 13.0119, 12.3152,
10.9238

204.6300,
206.4810, 207.8627

■ 7.5138, 6.9587,
5.9021

■ 30.9263, 30.0679,
28.1537

■ 3.8346, 3.4363,
2.7178

■ 44.0733, 43.2329,
41.1989

■ 1.6090, 1.3635,
0.9524

■ 60.5006, 59.7695,
57.7557

■ 0.3983, 0.1896,
0.0000

■ 80.5737, 80.0622,
78.2427

■ 0.0000, 0.0000,
0.0000

■ 104.6578,
104.4953, 103.0783

133.1183,

133.4532, 132.6812

166.3206,
167.3203, 167.4698

■ 13.0119, 12.3152,
10.9238

■ 13.0119, 12.3152,
10.9238

■ 11.7690, 10.5437,
8.3073

■ 14.4409, 14.3342,
13.9865

■ 10.7035, 9.0085,
6.1153

■ 16.0622, 16.6079,
17.5140

■ 9.8075, 7.7001,
4.3256

■ 17.8831, 19.1454,
21.5249

■ 9.0719, 6.6075,
2.9135

■ 19.9100, 21.9550,
26.0366

■ 8.4871, 5.7191,
1.8517

■ 22.1492, 25.0443,
31.0655

■ 8.0421, 5.0219,
1.1092

■ 24.6066, 28.4208,
36.6273

■ 7.7221, 4.5005,
0.6369

■ 27.2881, 32.0917,
42.7371

■ 7.5895, 4.2887,
0.4278

■ 30.1990, 36.0639,
49.4093

■ 33.3446, 40.3442,
56.6579

Harmonies

Analogous

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



13.3310, 12.3152, 12.9197



13.0119, 12.3152, 10.9238



12.3446, 12.3152, 9.7076

Triad

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



13.0119, 12.3152, 10.9238



10.3291, 12.3152, 11.6897



11.8791, 12.3152, 18.3766

Complementary

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



13.0119, 12.3152, 10.9238



13.0294, 14.9469, 19.0279

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.



11.0883, 12.3152, 17.9491



13.0119, 12.3152, 10.9238



10.2173, 12.3152, 13.9108

Square

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



13.0119, 12.3152, 10.9238



10.8018, 12.3152, 10.1126



10.4891, 12.3152, 16.2455



12.6577, 12.3152, 17.3540

Rectangle

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



13.0119, 12.3152, 10.9238



11.8053, 12.3152, 9.4142



10.4891, 12.3152, 16.2455



11.6057, 12.3152, 18.3993

Sweetspot

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



13.0122, 12.3158, 10.9241



28.0353, 28.7222, 29.7718



13.7598, 11.9351, 16.9564



6.4190, 6.5662, 6.7865



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.



13.0122, 12.3158, 10.9241



21.9287, 20.1015, 16.6617



14.3901, 15.0716, 11.3834



3.7303, 3.7937, 3.8779



8.3531, 4.7074, 0.4684



40.2563, 22.0412, 2.1326

Inverse Universe

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



13.0294, 14.9469, 19.0279



21.9632, 25.7078, 33.9415



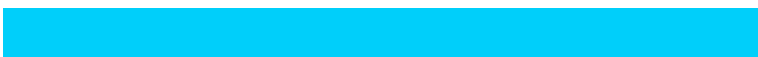
11.5721, 12.0323, 18.5422



3.7322, 4.0530, 4.6758



8.2192, 10.7780, 20.1897



39.5020, 51.4207, 98.2035

Previews

White Background



This preview shows how the XYZ color 13.0119, 12.3152, 10.9238 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 13.0119, 12.3152, 10.9238 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 13.0119, 12.3152, 10.9238

Background



This preview shows how black text looks on a background with the XYZ color 13.0119, 12.3152, 10.9238.



This preview shows how white text looks on a background with the XYZ color 13.0119, 12.3152,

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

13.0119, 12.3152, 10.9238

Protanopia

11.7355, 12.3155, 11.6561

Deuteranopia

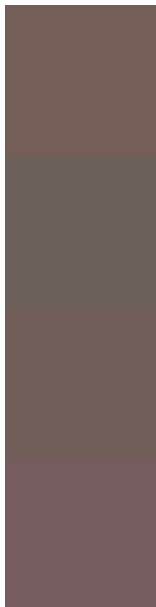
12.5358, 12.3337, 10.9525



Tritanopia

13.4169, 12.2156, 13.2060

Trichromacy



Original Color

13.0119, 12.3152, 10.9238

Protanomaly

12.0917, 12.2297, 11.3961

Deuteranomaly

12.7036, 12.2874, 10.9347

Tritanomaly

13.3187, 12.3140, 12.2645

Monochromacy



Original Color

13.0119, 12.3152, 10.9238

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.3299, 12.4581, 12.8211

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0119, 12.3152, 10.9238 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, 93, 88)` looks like.

```
.text, #text, p{  
    color:rgb(117, 93, 88)  
}
```

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, 93, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 93, 88) }
```

Border

The CSS property to change the border of an element to XYZ 13.0119, 12.3152, 10.9238 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, 93, 88) }
```


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

```
.border{ border-color:rgb(117, 93, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 93, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 93, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 93, 88);  
box-shadow:4px 4px 4px 4px rgb(117, 93,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0119, 12.3152, 10.9238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 93, 88) }
```

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

```
.background{ background-color: rgb(117, 93,  
88) }
```

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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