

Converting Colors

XYZ(13.4228, 12.4509, 13.4012)

Have a look what the booklet for
XYZ(13.4228, 12.4509, 13.4012)
contains.

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Color

**XYZ(13.5026, 12.5115,
13.5077)**

Conversions

Conversions Part 1

Format	Color
Hex	755D63
RGB	117, 93, 99
RGB Percent	46%, 36%, 39%
CMY	0.5412, 0.6353, 0.6118
CMYK	0.00, 0.21, 0.15, 0.54
HSL	345°, 11%, 41%
HSV	345°, 21%, 46%
XYZ	13.5026, 12.5115, 13.5077
YIQ	100.8600, 12.3780, 6.9540

Conversions

Conversions Part 2

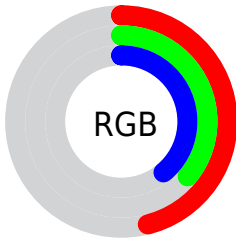
Format	Color
R_{YB}	117, 93, 99
Decimal	7691619
CIE Lab	42.02, 10.82, 0.28
CIE LCh	42, 10.820, 1.497
Yxy	12.5115, 0.3416, 0.3166
Android (android.graphics.Color)	4285881699 (0xFF755D63)
YUV	100.8600, -0.9170, 14.1548
Hunter-Lab	35.3716, 6.2395, 2.1185

Details

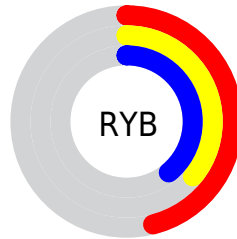
The XYZ color **13.5026, 12.5115, 13.5077** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.7452, 16.1977, 17.4417**, and the grayscale version is **12.3339, 12.9762, 14.1311**.

A 20% lighter version of the original color is **31.6897, 30.2819, 33.0289**, and **4.0430, 3.5190, 3.8343** is the 20% darker color. If you saturate the color by 10%, you get **12.1562, 10.4540, 11.1002**, and if you desaturate by 10%, it is **15.0524, 14.9027, 16.2083**.

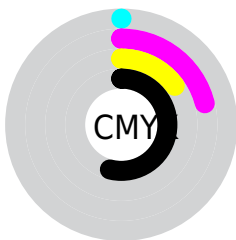
Distribution



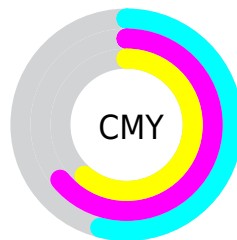
- Red (46%)
- Green (36%)
- Blue (39%)



- Red (46%)
- Yellow (36%)
- Blue (39%)



- Cyan (0%)
- Magenta (21%)
- Yellow (15%)
- Black (54%)



- Cyan (54%)
- Magenta (64%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5026, 12.5115, 13.5077 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 13.5026, 12.5115, 13.5077 by changing the saturation by 10% instead.

■ 13.5026, 12.5115,
13.5077

■ 13.5026, 12.5115,
13.5077

207.6873,
207.7628, 225.4672

■ 7.8549, 7.0930,
7.6443

■ 31.7975, 30.4233,
32.9174

■ 4.0533, 3.5204,
3.7837

■ 45.1755, 43.6855,
47.3007

■ 1.7323, 1.4091,
1.5074

■ 61.8609, 60.3310,
65.3610

■ 0.4764, 0.2234,
0.2235

■ 82.2191, 80.7443,
87.5170

■ 0.0000, 0.0000,
0.0000

106.6155,
105.3097, 114.1870

135.4154,

134.4117, 145.7897

168.9842,
168.4345, 182.7436

■ 13.5026, 12.5115,
13.5077

■ 13.5026, 12.5115,
13.5077

■ 12.1562, 10.4540,
11.1002

■ 15.0524, 14.9027,
16.2083

■ 11.0037, 8.7136,
8.9751

■ 16.8128, 17.6397,
19.2107

■ 10.0361, 7.2750,
7.1219

■ 18.7915, 20.7363,
22.5243

■ 9.2436, 6.1208,
5.5294

■ 20.9959, 24.2048,
26.1578

■ 8.6152, 5.2320,
4.1855

■ 23.4328, 28.0570,
30.1195

■ 8.1386, 4.5869,
3.0770

■ 26.1088, 32.3043,
34.4175

■ 7.8000, 4.1608,
2.1896

■ 29.0303, 36.9575,
39.0595

■ 7.5609, 3.8718,
1.5270

■ 32.2034, 42.0269,
44.0531

■ 35.6339, 47.5226,
49.4055

Harmonies

Analogous

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



13.3006, 12.5115, 15.8433



13.5026, 12.5115, 13.5077



13.2571, 12.5115, 11.4413

Triad

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



13.5026, 12.5115, 13.5077



11.1034, 12.5115, 10.1904



11.1703, 12.5115, 17.8889

Complementary

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



13.5026, 12.5115, 13.5077



13.7452, 16.1977, 17.4417

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.



10.6236, 12.5115, 16.0656



13.5026, 12.5115, 13.5077



10.5862, 12.5115, 11.6203

Square

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



13.5026, 12.5115, 13.5077



11.8515, 12.5115, 9.6643



10.4145, 12.5115, 13.7387



11.9322, 12.5115, 18.5373

Rectangle

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



13.5026, 12.5115, 13.5077



12.8789, 12.5115, 10.4479



10.4145, 12.5115, 13.7387



10.9565, 12.5115, 17.3837

Sweetspot

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



13.5030, 12.5121, 13.5080



28.2801, 28.7432, 31.2983



13.6812, 12.4932, 18.5200



6.4684, 6.5562, 7.1384



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.



13.5030, 12.5121, 13.5080



22.8968, 20.4399, 21.9102



13.7742, 13.4964, 12.2358



3.7180, 3.7145, 4.0420



8.3248, 4.2636, 1.6525



40.2706, 20.6584, 6.4884

Inverse Universe

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



13.5030, 12.5121, 13.5080



22.8968, 20.4399, 21.9102



13.4100, 14.9808, 19.0145



3.7180, 3.7145, 4.0420



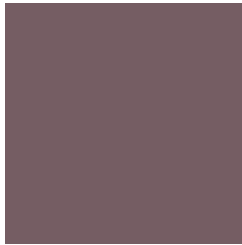
8.3248, 4.2636, 1.6525



40.2706, 20.6584, 6.4884

Previews

White Background



This preview shows how the XYZ color 13.5026, 12.5115, 13.5077 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 13.5026, 12.5115, 13.5077 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 13.5026, 12.5115, 13.5077

Background



This preview shows how black text looks on a background with the XYZ color 13.5026, 12.5115, 13.5077.



This preview shows how white text looks on a background with the XYZ color 13.5026, 12.5115,

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

13.5026, 12.5115, 13.5077

Protanopia

12.1156, 12.5923, 14.3624

Deuteranopia

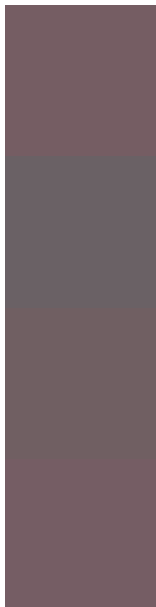
12.6942, 12.4988, 13.2987



Tritanopia

13.5507, 12.5307, 13.7611

Trichromacy



Original Color

13.5026, 12.5115, 13.5077

Protanomaly

12.5675, 12.5531, 14.0725

Deuteranomaly

12.9789, 12.5110, 13.2861

Tritanomaly

13.5507, 12.5307, 13.7611

Monochromacy



Original Color

13.5026, 12.5115, 13.5077

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.7313, 12.7813, 13.8526

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5026, 12.5115, 13.5077 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, 99) looks like.

```
.text, #text, p{  
    color:rgb(117, 93, 99)  
}
```

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, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 93, 99) }
```

Border

The CSS property to change the border of an element to XYZ 13.5026, 12.5115, 13.5077 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, 99) }
```


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

```
.border{ border-color:rgb(117, 93, 99) }
```

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, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 93, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 93, 99);  
box-shadow:4px 4px 4px 4px rgb(117, 93,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5026, 12.5115, 13.5077 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, 99) }
```

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

```
.background{ background-color: rgb(117, 93,  
99) }
```

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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