

Converting Colors

XYZ(12.2499, 10.7545, 10.4692)

Have a look what the booklet for
XYZ(12.2499, 10.7545, 10.4692)
contains.

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Color

**XYZ(12.1497, 10.6565,
10.4334)**

Conversions

Conversions Part 1

Format	Color
Hex	755357
RGB	117, 83, 87
RGB Percent	46%, 33%, 34%
CMY	0.5412, 0.6745, 0.6588
CMYK	0.00, 0.29, 0.26, 0.54
HSL	353°, 17%, 39%
HSV	353°, 29%, 46%
XYZ	12.1497, 10.6565, 10.4334
YIQ	93.6220, 18.9800, 8.4520

Conversions

Conversions Part 2

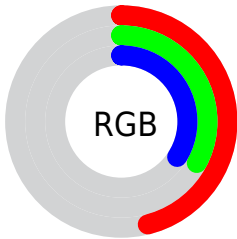
Format	Color
R_{YB}	117, 83, 87
Decimal	7689047
CIE Lab	39.00, 14.82, 3.30
CIE LCh	39, 15.184, 12.552
Yxy	10.6565, 0.3655, 0.3206
Android (android.graphics.Color)	4285879127 (0xFF755357)
YUV	93.6220, -3.2646, 20.5025
Hunter-Lab	32.6443, 9.3074, 3.9014

Details

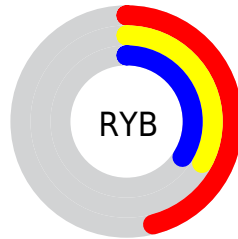
The XYZ color **12.1497, 10.6565, 10.4334** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **12.9097, 15.7542, 17.9840**, and the grayscale version is **10.5547, 11.1044, 12.0927**.

A 20% lighter version of the original color is **29.4804, 27.1272, 27.3492**, and **3.4949, 2.7823, 2.5433** is the 20% darker color. If you saturate the color by 10%, you get **10.9369, 8.8583, 8.0948**, and if you desaturate by 10%, it is **13.5745, 12.7820, 13.1406**.

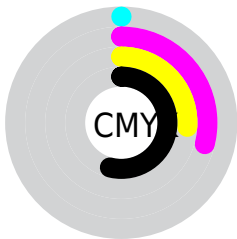
Distribution



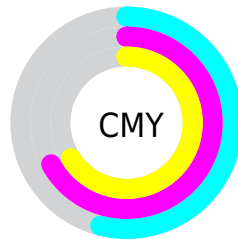
- Red (46%)
- Green (33%)
- Blue (34%)



- Red (46%)
- Yellow (33%)
- Blue (34%)



- Cyan (0%)
- Magenta (29%)
- Yellow (26%)
- Black (54%)



- Cyan (54%)
- Magenta (67%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1497, 10.6565, 10.4334 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 12.1497, 10.6565, 10.4334 by changing the saturation by 10% instead.

■ 12.1497, 10.6565,
10.4334

■ 12.1497, 10.6565,
10.4334

■ 199.1436,
195.2955, 204.3339

■ 6.9186, 5.8364,
5.5779

■ 29.3820, 27.0232,
27.2280

■ 3.4571, 2.7458,
2.5256

■ 42.1139, 39.3386,
40.0042

■ 1.3999, 1.0005,
0.8537

■ 58.0768, 54.9211,
56.2577

■ 0.2561, 0.0000,
0.0000

■ 77.6360, 74.1552,
76.4071

■ 0.0000, 0.0000,
0.0000

■ 101.1570, 97.4253,
100.8708

129.0050,

125.1158, 130.0675

161.5454,
157.6111, 164.4157

■ 12.1497, 10.6565,
10.4334

■ 12.1497, 10.6565,
10.4334

■ 10.9369, 8.8583,
8.0948

■ 13.5745, 12.7820,
13.1406

■ 9.9251, 7.3697,
6.1083

■ 15.2200, 15.2485,
16.2307

■ 9.1037, 6.1737,
4.4568

■ 17.0952, 18.0704,
19.7181

■ 8.4606, 5.2509,
3.1219

■ 19.2085, 21.2612,
23.6163

■ 7.9823, 4.5797,
2.0831

■ 21.5680, 24.8334,
27.9379

■ 7.6537, 4.1352,
1.3176

■ 24.1812, 28.7991,
32.6953

■ 7.4325, 3.8396,
0.7914

■ 27.0553, 33.1698,
37.9002

■ 7.4138, 3.8130,
0.7522

■ 30.1974, 37.9566,
43.5639

■ 33.6141, 43.1700,
49.6973

Harmonies

Analogous

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



12.1012, 10.6565, 13.3559



12.1497, 10.6565, 10.4334



11.6312, 10.6565, 8.2271

Triad

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



12.1497, 10.6565, 10.4334



8.8687, 10.6565, 7.9623



9.5562, 10.6565, 17.7744

Complementary

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



12.1497, 10.6565, 10.4334



12.9097, 15.7542, 17.9840

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.



8.7615, 10.6565, 15.7955



12.1497, 10.6565, 10.4334



8.3831, 10.6565, 10.0108

Square

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



12.1497, 10.6565, 10.4334



9.7116, 10.6565, 6.9684



8.3452, 10.6565, 12.8571



10.5576, 10.6565, 17.9386

Rectangle

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



12.1497, 10.6565, 10.4334



11.0526, 10.6565, 7.3262



8.3452, 10.6565, 12.8571



9.2578, 10.6565, 17.2859

Sweetspot

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



12.1500, 10.6570, 10.4336



27.1993, 27.2228, 28.9615



13.0461, 10.9468, 18.2552



6.1691, 6.1322, 6.5009



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.



12.1500, 10.6570, 10.4336



20.2299, 16.8169, 15.7467



13.0322, 12.6756, 9.9439



3.6999, 3.7072, 3.9463



8.1648, 4.1996, 0.8099



39.6151, 20.3962, 3.0366

Inverse Universe

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



12.1500, 10.6570, 10.4336



20.2299, 16.8169, 15.7467



11.7827, 13.1321, 18.7436



3.6999, 3.7072, 3.9463



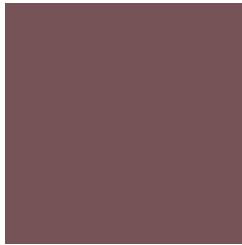
8.1648, 4.1996, 0.8099



39.6151, 20.3962, 3.0366

Previews

White Background



This preview shows how the XYZ color 12.1497, 10.6565, 10.4334 looks on a white background.

Color Contrast Check

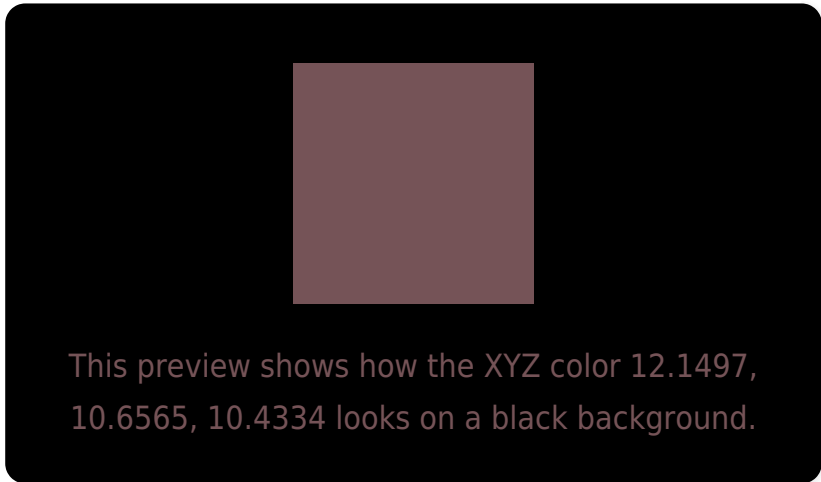
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.1497, 10.6565, 10.4334

Background



This preview shows how black text looks on a background with the XYZ color 12.1497, 10.6565, 10.4334.



This preview shows how white text looks on a background with the XYZ color 12.1497, 10.6565,

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

12.1497, 10.6565, 10.4334

Protanopia

10.3750, 10.8067, 11.6643

Deuteranopia

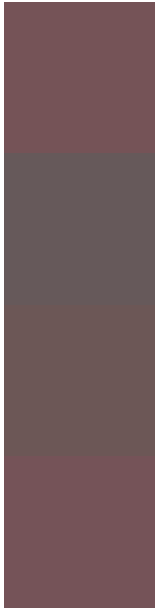
10.8456, 10.7002, 10.2978



Tritanopia

12.2325, 10.6897, 10.8698

Trichromacy



Original Color

12.1497, 10.6565, 10.4334

Protanomaly

10.8973, 10.7077, 11.1653

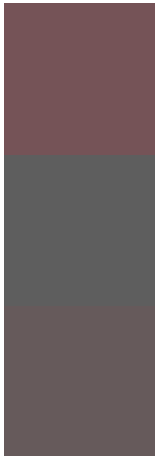
Deuteranomaly

11.2723, 10.6764, 10.2707

Tritanomaly

12.1908, 10.6730, 10.6501

Monochromacy



Original Color

12.1497, 10.6565, 10.4334

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

11.0240, 10.8924, 11.4190

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1497, 10.6565, 10.4334 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, 83, 87)` looks like.

```
.text, #text, p{  
    color:rgb(117, 83, 87)  
}
```

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, 83, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 83, 87) }
```

Border

The CSS property to change the border of an element to XYZ 12.1497, 10.6565, 10.4334 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, 83, 87) }
```


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

```
.border{ border-color:rgb(117, 83, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 83, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 83, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 83, 87);  
box-shadow:4px 4px 4px 4px rgb(117, 83,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1497, 10.6565, 10.4334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 83, 87) }
```

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

```
.background{ background-color: rgb(117, 83,  
87) }
```

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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