

Converting Colors

XYZ(13.4238, 12.9165, 6.8407)

Have a look what the booklet for
XYZ(13.4238, 12.9165, 6.8407)
contains.

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Color

**XYZ(13.3585, 12.8512,
6.7775)**

Conversions

Conversions Part 1

Format	Color
Hex	7C5F41
RGB	124, 95, 65
RGB Percent	49%, 37%, 25%
CMY	0.5137, 0.6274, 0.7451
CMYK	0.00, 0.23, 0.48, 0.51
HSL	31°, 31%, 37%
HSV	31°, 48%, 49%
XYZ	13.3585, 12.8512, 6.7775
YIQ	100.2510, 26.9140, -3.1820

Conversions

Conversions Part 2

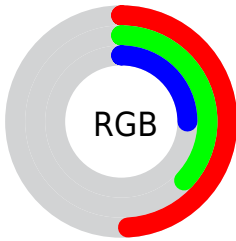
Format	Color
R_{YB}	122, 124, 65
Decimal	8150849
CIE Lab	42.54, 7.64, 21.67
CIE LCh	43, 22.974, 70.571
Yxy	12.8512, 0.4050, 0.3896
Android (android.graphics.Color)	4286340929 (0xFF7C5F41)
YUV	100.2510, -17.3787, 20.8279
Hunter-Lab	35.8486, 3.7807, 13.8847

Details

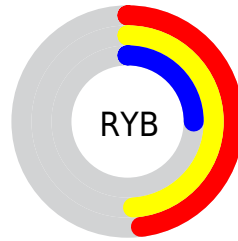
The XYZ color **13.3585, 12.8512, 6.7775** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.8205, 10.5839, 20.5939**, and the grayscale version is **12.2157, 12.8519, 13.9957**.

A 20% lighter version of the original color is **31.4661, 30.9080, 19.9302**, and **3.9813, 3.6672, 1.2075** is the 20% darker color. If you saturate the color by 10%, you get **12.5104, 11.6682, 4.9131**, and if you desaturate by 10%, it is **14.3291, 14.1529, 9.0722**.

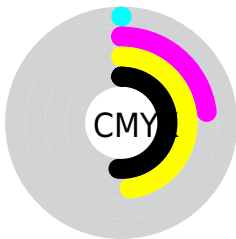
Distribution



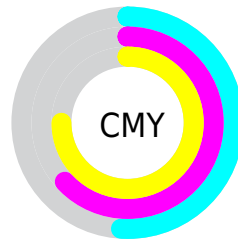
- Red (49%)
- Green (37%)
- Blue (25%)



- Red (48%)
- Yellow (49%)
- Blue (25%)



- Cyan (0%)
- Magenta (23%)
- Yellow (48%)
- Black (51%)





- Cyan (51%)
- Magenta (63%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.3585, 12.8512, 6.7775 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 13.3585, 12.8512, 6.7775 by changing the saturation by 10% instead.


 13.3585, 12.8512,
6.7775


 13.3585, 12.8512,
6.7775


206.7941,
209.9618, 175.3621


 7.7546, 7.3262,
3.2470


 31.5422, 31.0362,
20.0294


 3.9888, 3.6669,
1.2221

 44.8527, 44.4649,
30.5878

 1.6958, 1.4890,
0.0000

 61.4628, 61.2971,
44.3260

 0.4536, 0.2810,
0.0000

 81.7378, 81.9169,
61.6625

 0.0000, 0.0000,
0.0000

 106.0431,
106.7089, 83.0158

 134.7440,

136.0575, 108.8045

168.2059,
170.3470, 139.4471

■ 13.3585, 12.8512,
6.7775

■ 13.3585, 12.8512,
6.7775

■ 12.5104, 11.6682,
4.9131

■ 14.3291, 14.1529,
9.0722

■ 11.7777, 10.5979,
3.4503

■ 15.4268, 15.5753,
11.8218

■ 11.1538, 9.6368,
2.3584

■ 16.6575, 17.1226,
15.0497

■ 10.6308, 8.7799,
1.6015

■ 18.0259, 18.7981,
18.7778

■ 10.1921, 8.0188,
1.0968

■ 19.5368, 20.6050,
23.0264

■ 10.0928, 7.8465,
0.9826

■ 21.1945, 22.5466,
27.8148

■ 23.0035, 24.6259,
33.1611

■ 24.9676, 26.8456,
39.0828

■ 27.0907, 29.2087,
45.5966

Harmonies

Analogous

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



14.9284, 12.8512, 8.6527



13.3585, 12.8512, 6.7775



11.6128, 12.8512, 6.5446

Triad

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



13.3585, 12.8512, 6.7775



9.2196, 12.8512, 15.8199



14.5157, 12.8512, 22.5785

Complementary

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



13.3585, 12.8512, 6.7775



9.8205, 10.5839, 20.5939

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.



12.8370, 12.8512, 25.6447



13.3585, 12.8512, 6.7775



9.8515, 12.8512, 21.1729

Square

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



13.3585, 12.8512, 6.7775



9.3307, 12.8512, 11.0488



11.1381, 12.8512, 25.0768



15.6391, 12.8512, 17.4181

Rectangle

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



13.3585, 12.8512, 6.7775



10.5951, 12.8512, 7.2726



11.1381, 12.8512, 25.0768



13.9914, 12.8512, 23.9378

Sweetspot

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



13.3588, 12.8518, 6.7778



30.0685, 31.0645, 28.5164



12.2454, 8.8829, 11.7769



6.9814, 7.1927, 6.4458



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



13.3588, 12.8518, 6.7778



21.9088, 20.3808, 8.4223



16.4738, 19.0819, 7.8161



4.1511, 4.3206, 4.2397



10.2578, 7.9715, 0.9980



48.0768, 36.3171, 4.4760

Inverse Universe

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



9.8205, 10.5839, 20.5939



14.8888, 15.8824, 35.8375



7.7085, 6.3598, 19.8899



3.9451, 4.1885, 5.0437



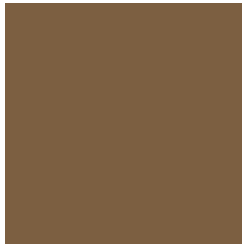
5.3891, 4.8607, 20.0395



24.8586, 21.4898, 95.3075

Previews

White Background



This preview shows how the XYZ color 13.3585, 12.8512, 6.7775 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 13.3585, 12.8512, 6.7775 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 13.3585, 12.8512, 6.7775

Background



This preview shows how black text looks on a background with the XYZ color 13.3585, 12.8512, 6.7775.



This preview shows how white text looks on a background with the XYZ color 13.3585, 12.8512,

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

13.3585, 12.8512, 6.7775

Protanopia

11.9735, 12.9638, 7.1814

Deuteranopia

13.0222, 12.8123, 6.7877



Tritanopia

14.6981, 12.8760, 13.2659

Trichromacy



Original Color

13.3585, 12.8512, 6.7775

Protanomaly

12.3846, 12.8944, 6.9904

Deuteranomaly

13.1630, 12.8850, 6.7943

Tritanomaly

14.1110, 12.7618, 10.5236

Monochromacy



Original Color

13.3585, 12.8512, 6.7775

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.3947, 12.6747, 10.8100

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3585, 12.8512, 6.7775 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(124, 95, 65)` looks like.

```
.text, #text, p{  
    color:rgb(124, 95, 65)  
}
```

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(124, 95, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 95, 65) }
```

Border

The CSS property to change the border of an element to XYZ 13.3585, 12.8512, 6.7775 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(124, 95, 65) }
```


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

```
.border{ border-color:rgb(124, 95, 65) }
```

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

Here you see how a box with a 4 pixel rgb(124, 95, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 95, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 95, 65);  
box-shadow:4px 4px 4px 4px rgb(124, 95,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3585, 12.8512, 6.7775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 95, 65) }
```

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

```
.background{ background-color: rgb(124, 95,  
65) }
```

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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