

Converting Colors

XYZ(13.7517, 15.2389, 8.0110)

Have a look what the booklet for
XYZ(13.7517, 15.2389, 8.0110)
contains.

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Color

**XYZ(13.7517, 15.2389,
8.0110)**

Conversions

Conversions Part 1

Format	Color
Hex	736E46
RGB	115, 110, 70
RGB Percent	45%, 43%, 27%
CMY	0.5490, 0.5686, 0.7255
CMYK	0.00, 0.04, 0.39, 0.55
HSL	53°, 24%, 36%
HSV	53°, 39%, 45%
XYZ	13.7517, 15.2389, 8.0110
YIQ	106.9350, 15.8200, -11.3800

Conversions

Conversions Part 2

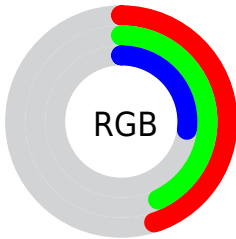
Format	Color
RYB	76, 115, 70
Decimal	7564870
CIELab	45.96, -4.58, 23.02
CIElCh	46, 23.473, 101.251
Yxy	15.2389, 0.3717, 0.4118
Android (android.graphics.Color)	4285754950 (0xFF736E46)
YUV	106.9350, -18.2090, 7.0730
Hunter-Lab	39.0370, -5.4340, 15.1587

Details

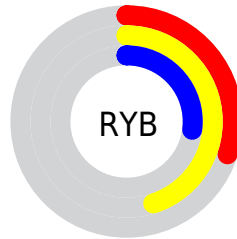
The XYZ color **13.7517, 15.2389, 8.0110** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.1364, 7.5720, 17.2525**, and the grayscale version is **14.0032, 14.7325, 16.0437**.

A 20% lighter version of the original color is **32.2231, 35.1465, 22.5384**, and **4.1997, 4.7835, 1.6217** is the 20% darker color. If you saturate the color by 10%, you get **13.2863, 14.8344, 6.2333**, and if you desaturate by 10%, it is **14.2894, 15.6766, 10.1563**.

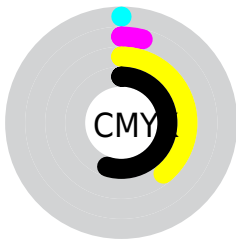
Distribution



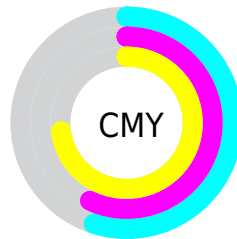
- Red (45%)
- Green (43%)
- Blue (27%)



- Red (30%)
- Yellow (45%)
- Blue (27%)



- Cyan (0%)
- Magenta (4%)
- Yellow (39%)
- Black (55%)



- Cyan (55%)
- Magenta (57%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7517, 15.2389, 8.0110 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 13.7517, 15.2389, 8.0110 by changing the saturation by 10% instead.

■ 13.7517, 15.2389,
8.0110

■ 13.7517, 15.2389,
8.0110

209.2223,
224.8077, 185.7561

■ 8.0287, 8.9872,
4.0141

■ 32.2378, 35.2717,
22.5265

■ 4.1653, 4.7328,
1.6331

■ 45.7316, 49.8217,
33.8823

■ 1.7961, 2.0914,
0.3143

■ 62.5463, 67.9065,
48.5280

■ 0.5153, 0.6598,
0.0000

■ 83.0474, 89.9106,
66.8823

■ 0.0000, 0.0000,
0.0000

■ 107.6002,
116.2184, 89.3638

136.5701,

147.2142, 116.3908

170.3223,
183.2825, 148.3821

■ 13.7517, 15.2389,
8.0110

■ 13.7517, 15.2389,
8.0110

■ 13.2863, 14.8344,
6.2333

■ 14.2894, 15.6766,
10.1563

■ 12.8880, 14.4593,
4.8011

■ 14.9020, 16.1469,
12.6875

■ 12.5529, 14.1127,
3.6918

■ 15.5932, 16.6519,
15.6230

■ 12.2760, 13.7925,
2.8794

■ 16.3662, 17.1928,
18.9794

■ 12.0516, 13.4964,
2.3340

■ 17.2241, 17.7709,
22.7728

■ 11.8606, 13.2168,
1.9547

■ 18.1698, 18.3873,
27.0182

■ 11.8442, 13.1927,
1.9222

■ 19.2059, 19.0432,
31.7299

■ 20.3350, 19.7395,
36.9216

■ 21.5597, 20.4774,
42.6064

Harmonies

Analogous

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



15.7467, 15.2389, 8.2410



13.7517, 15.2389, 8.0110



12.1091, 15.2389, 9.6531

Triad

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



13.7517, 15.2389, 8.0110



11.7984, 15.2389, 24.8996



18.4098, 15.2389, 20.3623

Complementary

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



13.7517, 15.2389, 8.0110



8.1364, 7.5720, 17.2525

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.



17.1510, 15.2389, 26.2489



13.7517, 15.2389, 8.0110



13.2909, 15.2389, 29.2541

Square

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



13.7517, 15.2389, 8.0110



11.0521, 15.2389, 18.8193



15.2421, 15.2389, 29.7977



18.5619, 15.2389, 14.5488

Rectangle

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



13.7517, 15.2389, 8.0110



11.3872, 15.2389, 11.8683



15.2421, 15.2389, 29.7977



18.0970, 15.2389, 22.4288

Sweetspot

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



13.7521, 15.2396, 8.0113



27.5125, 29.5233, 26.2206



10.5392, 8.5368, 7.7941



6.5348, 7.0223, 6.1329



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.



13.7521, 15.2396, 8.0113



23.8611, 26.6263, 11.4206



12.2465, 15.2866, 8.0997



3.9336, 4.2002, 3.9457



13.5309, 15.0629, 2.1943



65.5489, 72.6264, 10.5635

Inverse Universe

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



8.1364, 7.5720, 17.2525



12.2838, 10.8232, 30.4862



9.2387, 7.6567, 17.2107



3.5304, 3.6494, 4.6086



3.6893, 1.7183, 18.6798



17.6491, 7.7147, 90.9192

Previews

White Background



This preview shows how the XYZ color 13.7517, 15.2389, 8.0110 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 13.7517, 15.2389, 8.0110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

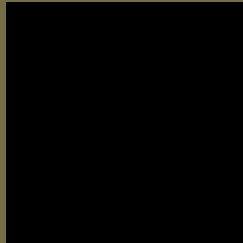
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.7517, 15.2389, 8.0110

Background



This preview shows how black text looks on a background with the XYZ color 13.7517, 15.2389, 8.0110.



This preview shows how white text looks on a background with the XYZ color 13.7517, 15.2389,

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

13.7517, 15.2389, 8.0110

Protanopia

14.0453, 15.2310, 7.9940

Deuteranopia

15.4477, 15.1809, 8.0773



Tritanopia

15.7779, 15.2885, 17.7422

Trichromacy



Original Color

13.7517, 15.2389, 8.0110

Protanomaly

13.9102, 15.1614, 7.9876

Deuteranomaly

14.7488, 15.1230, 8.1029

Tritanomaly

14.8866, 15.2300, 13.4643

Monochromacy



Original Color

13.7517, 15.2389, 8.0110

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.8133, 14.8483, 12.7276

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7517, 15.2389, 8.0110 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(115, 110, 70)` looks like.

```
.text, #text, p{  
    color:rgb(115, 110, 70)  
}
```

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(115, 110, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 110, 70) }
```

Border

The CSS property to change the border of an element to XYZ 13.7517, 15.2389, 8.0110 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(115, 110, 70) }
```


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

```
.border{ border-color:rgb(115, 110, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 110, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 110, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 110, 70);  
box-shadow:4px 4px 4px 4px rgb(115, 110,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7517, 15.2389, 8.0110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 110, 70) }
```

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

```
.background{ background-color: rgb(115,  
110, 70) }
```

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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