

Converting Colors

XYZ(16.5738, 16.7945, 8.1466)

Have a look what the booklet for
XYZ(16.5738, 16.7945, 8.1466)
contains.

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Color

**XYZ(16.6214, 16.8794,
8.1764)**

Conversions

Conversions Part 1

Format	Color
Hex	866F46
RGB	134, 111, 70
RGB Percent	53%, 44%, 27%
CMY	0.4745, 0.5647, 0.7255
CMYK	0.00, 0.17, 0.48, 0.47
HSL	38°, 31%, 40%
HSV	38°, 48%, 53%
XYZ	16.6214, 16.8794, 8.1764
YIQ	113.2030, 26.8690, -7.8750

Conversions

Conversions Part 2

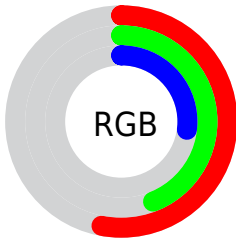
Format	Color
R_{YB}	106, 134, 70
Decimal	8810310
CIE Lab	48.11, 3.28, 26.15
CIE LCh	48, 26.357, 82.852
Yxy	16.8794, 0.3988, 0.4050
Android (android.graphics.Color)	4287000390 (0xFF866F46)
YUV	113.2030, -21.2991, 18.2390
Hunter-Lab	41.0845, 0.3170, 16.9596

Details

The XYZ color **16.6214, 16.8794, 8.1764** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **10.7430, 10.8516, 24.0824**, and the grayscale version is **15.8124, 16.6359, 18.1164**.

A 20% lighter version of the original color is **37.4132, 38.3451, 22.8822**, and **5.4885, 5.5308, 1.6980** is the 20% darker color. If you saturate the color by 10%, you get **15.7336, 15.7068, 6.0214**, and if you desaturate by 10%, it is **17.6328, 18.1480, 10.8387**.

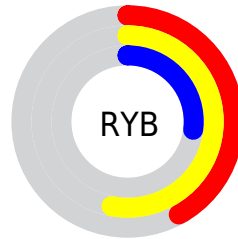
Distribution



Red (53%)

Green (44%)

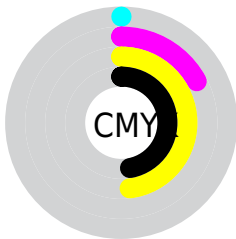
Blue (27%)



Red (42%)

Yellow (53%)

Blue (27%)

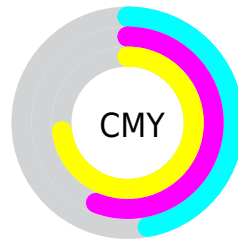


Cyan (0%)

Magenta (17%)

Yellow (48%)

Black (47%)



Cyan (47%)

Magenta (56%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6214, 16.8794, 8.1764 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 16.6214, 16.8794, 8.1764 by changing the saturation by 10% instead.

■ 16.6214, 16.8794,
8.1764

■ 16.6214, 16.8794,
8.1764

226.1801,
234.4764, 187.0951

■ 10.0586, 10.1485,
4.1186

■ 37.2225, 38.1183,
22.8554

■ 5.5004, 5.4976,
1.6907

■ 51.9914, 53.3951,
34.3137

■ 2.5815, 2.5420,
0.3543

■ 70.2264, 72.2894,
49.0760

■ 0.9365, 0.8976,
0.0000

■ 92.2929, 95.1856,
67.5607

■ 0.0000, 0.0000,
0.0000

■ 118.5561,
122.4679, 90.1864

149.3815,

154.5209, 117.3717

185.1344,
191.7290, 149.5351

■ 16.6214, 16.8794,
8.1764

■ 16.6214, 16.8794,
8.1764

■ 15.7336, 15.7068,
6.0214

■ 17.6328, 18.1480,
10.8387

■ 14.9613, 14.6243,
4.3392

■ 18.7728, 19.5135,
14.0378

■ 14.2973, 13.6292,
3.0922

■ 20.0474, 20.9795,
17.8022

■ 13.7330, 12.7170,
2.2369

■ 21.4620, 22.5488,
22.1580

■ 13.2504, 11.8798,
1.6809

■ 23.0217, 24.2242,
27.1297

■ 13.1473, 11.7001,
1.5654

■ 24.7313, 26.0081,
32.7404

■ 26.5951, 27.9030,
39.0120

■ 28.6176, 29.9113,
45.9653

■ 30.8029, 32.0351,
53.6202

Harmonies

Analogous

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



18.9784, 16.8794, 9.7646



16.6214, 16.8794, 8.1764



14.3257, 16.8794, 8.7303

Triad

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



16.6214, 16.8794, 8.1764



12.1738, 16.8794, 23.9723



19.9879, 16.8794, 27.5166

Complementary

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



16.6214, 16.8794, 8.1764



10.7430, 10.8516, 24.0824

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.



17.8931, 16.8794, 33.3520



16.6214, 16.8794, 8.1764



13.4277, 16.8794, 30.9768

Square

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



16.6214, 16.8794, 8.1764



11.9057, 16.8794, 16.7909



15.4789, 16.8794, 34.7546



21.0432, 16.8794, 20.0638

Rectangle

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



16.6214, 16.8794, 8.1764



13.1193, 16.8794, 10.3268



15.4789, 16.8794, 34.7546



19.3726, 16.8794, 29.8008

Sweetspot

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



16.6218, 16.8802, 8.1767



36.1539, 37.8977, 33.8952



14.0182, 10.2474, 11.7039



8.0435, 8.4243, 7.3263



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



16.6218, 16.8802, 8.1767



27.6493, 27.5761, 10.4437



18.1563, 21.8874, 9.0624



4.9027, 5.1490, 4.9648



12.3314, 10.9855, 1.4705



0.0497, 0.0519, 0.0074

Inverse Universe

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



10.7430, 10.8516, 24.0824



16.0333, 15.6793, 41.9198



9.6792, 7.7441, 23.5387



4.5613, 4.7982, 5.8865



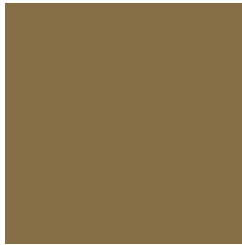
5.0384, 3.6245, 21.5707



0.0239, 0.0255, 0.0769

Previews

White Background



This preview shows how the XYZ color 16.6214, 16.8794, 8.1764 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 16.6214, 16.8794, 8.1764 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

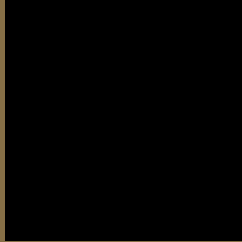
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.6214, 16.8794, 8.1764

Background



This preview shows how black text looks on a background with the XYZ color 16.6214, 16.8794, 8.1764.



This preview shows how white text looks on a background with the XYZ color 16.6214, 16.8794,

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

16.6214, 16.8794, 8.1764

Protanopia

15.6121, 16.8495, 8.3907

Deuteranopia

17.0554, 16.7827, 8.1348



Tritanopia

18.6725, 16.9262, 18.2025

Trichromacy



Original Color

16.6214, 16.8794, 8.1764

Protanomaly

15.9445, 16.8544, 8.3741

Deuteranomaly

16.9979, 16.9124, 8.1629

Tritanomaly

17.8837, 16.9253, 13.8796

Monochromacy



Original Color

16.6214, 16.8794, 8.1764

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.8370, 16.5164, 13.6625

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6214, 16.8794, 8.1764 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(134, 111, 70)` looks like.

```
.text, #text, p{  
    color:rgb(134, 111, 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(134, 111, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 111, 70) }
```

Border

The CSS property to change the border of an element to XYZ 16.6214, 16.8794, 8.1764 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(134, 111, 70) }
```


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

```
.border{ border-color:rgb(134, 111, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 111, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 111, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 111, 70);  
box-shadow:4px 4px 4px 4px rgb(134, 111,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6214, 16.8794, 8.1764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 111, 70) }
```

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

```
.background{ background-color: rgb(134,  
111, 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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