

Converting Colors

XYZ(16.4247, 17.7577, 3.7580)

Have a look what the booklet for
XYZ(16.4247, 17.7577, 3.7580)
contains.

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Color

**XYZ(16.4714, 17.7354,
3.7834)**

Conversions

Conversions Part 1

Format	Color
Hex	87741E
RGB	135, 116, 30
RGB Percent	53%, 45%, 12%
CMY	0.4706, 0.5451, 0.8823
CMYK	0.00, 0.14, 0.78, 0.47
HSL	49°, 64%, 32%
HSV	49°, 78%, 53%
XYZ	16.4714, 17.7354, 3.7834
YIQ	111.8770, 38.9300, -22.7180

Conversions

Conversions Part 2

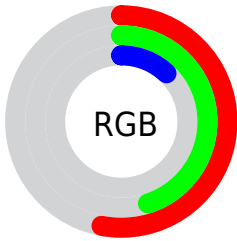
Format	Color
R_{YB}	53, 135, 30
Decimal	8877086
CIE _{Lab}	49.17, -2.16, 47.10
CIE _{LCh}	49, 47.154, 92.623
Yxy	17.7354, 0.4336, 0.4668
Android (android.graphics.Color)	4287067166 (0xFF87741E)
YUV	111.8770, -40.3654, 20.2789
Hunter-Lab	42.1134, -3.8836, 24.1529

Details

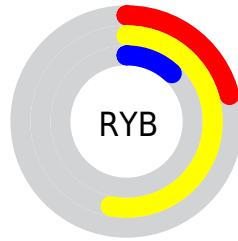
The XYZ color **16.4714, 17.7354, 3.7834** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **6.0069, 4.2218, 23.4198**, and the grayscale version is **15.4721, 16.2778, 17.7265**.

A 20% lighter version of the original color is **36.9737, 39.6757, 13.4940**, and **5.5468, 5.9281, 0.8519** is the 20% darker color. If you saturate the color by 10%, you get **16.0569, 17.1257, 2.9694**, and if you desaturate by 10%, it is **16.9680, 18.3912, 4.9897**.

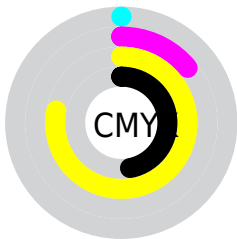
Distribution



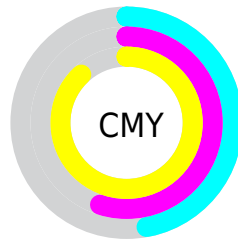
- Red (53%)
- Green (45%)
- Blue (12%)



- Red (21%)
- Yellow (53%)
- Blue (12%)



- Cyan (0%)
- Magenta (14%)
- Yellow (78%)
- Black (47%)





- Cyan (47%)
- Magenta (55%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.4714, 17.7354, 3.7834 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 16.4714, 17.7354, 3.7834 by changing the saturation by 10% instead.


 16.4714, 17.7354,
3.7834


 16.4714, 17.7354,
3.7834


225.3236,
239.3754, 145.7866


 9.9513, 10.7602,
1.5073


 36.9655, 39.5859,
13.5071


 5.4287, 5.9058,
0.2233

 51.6703, 55.2300,
21.7917

 2.5382, 2.7879,
0.0000

 69.8340, 74.5326,
32.9162

 0.9146, 1.0220,
0.0000

 91.8219, 97.8779,
47.2992

 0.0000, 0.0000,
0.0000

 117.9995,
125.6505, 65.3592

 148.7321,

158.2346, 87.5147

184.3850,
196.0148, 114.1843

16.4714, 17.7354,
3.7834

16.4714, 17.7354,
3.7834

16.0569, 17.1257,
2.9694

16.9680, 18.3912,
4.9897

15.7055, 16.5523,
2.4534

17.5540, 19.0940,
6.6315

15.6299, 16.4274,
2.3470

18.2371, 19.8476,
8.7476

19.0238, 20.6548,
11.3721

19.9201, 21.5180,
14.5360

■ 20.9314, 22.4395,
18.2677

■ 22.0628, 23.4214,
22.5937

■ 23.3191, 24.4657,
27.5389

■ 24.7048, 25.5743,
33.1267

Harmonies

Analogous

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



21.0694, 17.7354, 4.7681



16.4714, 17.7354, 3.7834



12.6823, 17.7354, 5.2196

Triad

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



16.4714, 17.7354, 3.7834



10.6707, 17.7354, 35.6058



25.5743, 17.7354, 32.7857

Complementary

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



16.4714, 17.7354, 3.7834



6.0069, 4.2218, 23.4198

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.



21.8599, 17.7354, 47.8753



16.4714, 17.7354, 3.7834



13.2471, 17.7354, 49.9427

Square

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



16.4714, 17.7354, 3.7834



9.7197, 17.7354, 20.4451



17.2485, 17.7354, 55.1990



26.8380, 17.7354, 18.2193

Rectangle

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



16.4714, 17.7354, 3.7834



10.9712, 17.7354, 7.9932



17.2485, 17.7354, 55.1990



24.5423, 17.7354, 38.1474

Sweetspot

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



16.4718, 17.7363, 3.7838



36.4193, 39.2250, 28.7515



11.0157, 6.3034, 3.5698



8.3039, 8.9638, 6.1819



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



16.4718, 17.7363, 3.7838



28.2938, 29.9161, 4.6412



14.3496, 20.2318, 4.3773



4.9700, 5.2836, 4.9873



14.4215, 15.1657, 2.1672



0.0546, 0.0618, 0.0091

Inverse Universe

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



6.0069, 4.2218, 23.4198



8.8128, 4.8634, 41.5226



6.9035, 3.7430, 23.2801



4.4976, 4.6709, 5.8653



4.3496, 2.2470, 21.3412



0.0190, 0.0156, 0.0752

Previews

White Background



This preview shows how the XYZ color 16.4714, 17.7354, 3.7834 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 16.4714, 17.7354, 3.7834 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

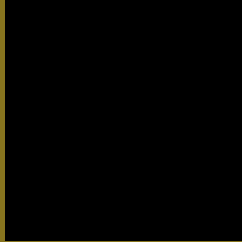
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.4714, 17.7354, 3.7834

Background



This preview shows how black text looks on a background with the XYZ color 16.4714, 17.7354, 3.7834.



This preview shows how white text looks on a background with the XYZ color 16.4714, 17.7354,

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

16.4714, 17.7354, 3.7834

Protanopia

15.9557, 17.6416, 3.7925

Deuteranopia

17.9778, 17.6762, 3.8308



Tritanopia

19.5580, 17.6722, 19.2099

Trichromacy



Original Color

16.4714, 17.7354, 3.7834

Protanomaly

16.1114, 17.7219, 3.7998

Deuteranomaly

17.4801, 17.7488, 3.8009

Tritanomaly

17.9716, 17.5137, 11.0276

Monochromacy



Original Color

16.4714, 17.7354, 3.7834

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.1738, 16.4125, 10.3508

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4714, 17.7354, 3.7834 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(135, 116, 30)` looks like.

```
.text, #text, p{  
    color:rgb(135, 116, 30)  
}
```

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(135, 116, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 116, 30) }
```

Border

The CSS property to change the border of an element to XYZ 16.4714, 17.7354, 3.7834 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(135, 116, 30) }
```


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

```
.border{ border-color:rgb(135, 116, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 116, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 116, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 116, 30);  
box-shadow:4px 4px 4px 4px rgb(135, 116,  
30) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4714, 17.7354, 3.7834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 116, 30) }
```

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

```
.background{ background-color: rgb(135,  
116, 30) }
```

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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