

Converting Colors

XYZ(15.6214, 17.7389, 9.5051)

Have a look what the booklet for
XYZ(15.6214, 17.7389, 9.5051)
contains.

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Color

**XYZ(15.6471, 17.7085,
9.4309)**

Conversions

Conversions Part 1

Format	Color
Hex	78774C
RGB	120, 119, 76
RGB Percent	47%, 47%, 30%
CMY	0.5294, 0.5333, 0.7020
CMYK	0.00, 0.01, 0.37, 0.53
HSL	59°, 22%, 38%
HSV	59°, 37%, 47%
XYZ	15.6471, 17.7085, 9.4309
YIQ	114.3970, 14.3990, -13.1610

Conversions

Conversions Part 2

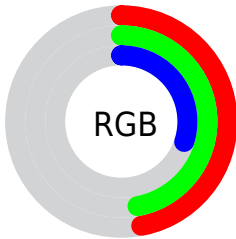
Format	Color
R_{YB}	77, 120, 76
Decimal	7894860
CIE Lab	49.14, -6.75, 23.82
CIE LCh	49, 24.758, 105.812
Yxy	17.7085, 0.3657, 0.4139
Android (android.graphics.Color)	4286084940 (0xFF78774C)
YUV	114.3970, -18.9297, 4.9138
Hunter-Lab	42.0815, -7.2711, 16.1695

Details

The XYZ color **15.6471, 17.7085, 9.4309** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.0246, 8.2002, 18.8766**, and the grayscale version is **16.1661, 17.0080, 18.5217**.

A 20% lighter version of the original color is **35.4982, 39.4907, 25.1536**, and **5.0263, 5.9075, 2.1717** is the 20% darker color. If you saturate the color by 10%, you get **15.2361, 17.4930, 7.4242**, and if you desaturate by 10%, it is **16.1369, 17.9569, 11.8484**.

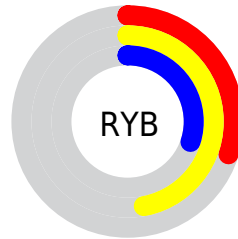
Distribution



Red (47%)

Green (47%)

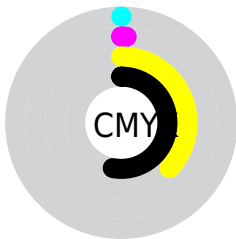
Blue (30%)



Red (30%)

Yellow (47%)

Blue (30%)

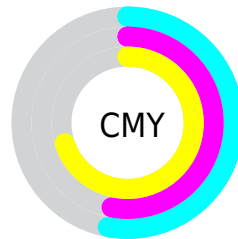


Cyan (0%)

Magenta (1%)

Yellow (37%)

Black (53%)



Cyan (53%)

Magenta (53%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6471, 17.7085, 9.4309 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 15.6471, 17.7085, 9.4309 by changing the saturation by 10% instead.

■ 15.6471, 17.7085,
9.4309

■ 15.6471, 17.7085,
9.4309

220.5618,
239.2228, 196.8955

■ 9.3640, 10.7409,
4.9227

■ 35.5469, 39.5400,
25.3103

■ 5.0384, 5.8929,
2.1440

■ 49.8943, 55.1727,
37.5185

■ 2.3048, 2.7801,
0.6418

■ 67.6606, 74.4625,
53.1305

■ 0.7971, 1.0180,
0.0000

■ 89.2110, 97.7939,
72.5648

■ 0.0000, 0.0000,
0.0000

■ 114.9110,
125.5512, 96.2399

145.1259,

158.1189, 124.5743

180.2210,
195.8813, 157.9867

■ 15.6471, 17.7085,
9.4309

■ 15.6471, 17.7085,
9.4309

■ 15.2361, 17.4930,
7.4242

■ 16.1369, 17.9569,
11.8484

■ 14.8983, 17.3063,
5.8042

■ 16.7083, 18.2375,
14.6966

■ 14.6293, 17.1473,
4.5463

■ 17.3653, 18.5525,
17.9954

■ 14.4238, 17.0138,
3.6225

■ 18.1114, 18.9033,
21.7635

■ 14.2758, 16.9034,
3.0005

■ 18.9501, 19.2912,
26.0180

■ 14.1723, 16.8110,
2.6128

■ 19.8844, 19.7175,
30.7756

■ 14.1398, 16.7811,
2.4938

■ 20.9172, 20.1835,
36.0519

■ 22.0516, 20.6901,
41.8620

■ 23.2901, 21.2386,
48.2204

Harmonies

Analogous

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



17.9465, 17.7085, 9.3729



15.6471, 17.7085, 9.4309



13.8364, 17.7085, 11.6893

Triad

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



15.6471, 17.7085, 9.4309



13.9148, 17.7085, 29.9465



21.5275, 17.7085, 22.5789

Complementary

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



15.6471, 17.7085, 9.4309



9.0246, 8.2002, 18.8766

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.



20.2302, 17.7085, 29.6051



15.6471, 17.7085, 9.4309



15.7635, 17.7085, 34.4743

Square

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



15.6471, 17.7085, 9.4309



12.9006, 17.7085, 22.9690



18.0740, 17.7085, 34.3367



21.4891, 17.7085, 16.0115

Rectangle

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



15.6471, 17.7085, 9.4309



13.0878, 17.7085, 14.5146



18.0740, 17.7085, 34.3367



21.2284, 17.7085, 24.9923

Sweetspot

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



15.6475, 17.7093, 9.4313



29.9911, 32.3675, 28.8788



11.6865, 9.7047, 8.3654



7.0786, 7.6569, 6.6983



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



15.6475, 17.7093, 9.4313



26.9034, 30.8237, 13.5716



13.2179, 16.6339, 9.3518



4.3003, 4.6191, 4.2894



15.4241, 18.3041, 2.7201



73.4854, 87.1343, 12.9455

Inverse Universe

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



9.0246, 8.2002, 18.8766



13.4474, 11.5047, 32.7650



10.8550, 9.0410, 18.9424



3.8042, 3.9068, 4.9968



3.7292, 1.5409, 19.4862



17.7042, 7.1811, 92.9228

Previews

White Background



This preview shows how the XYZ color 15.6471, 17.7085, 9.4309 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 15.6471, 17.7085, 9.4309 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 15.6471, 17.7085, 9.4309

Background



This preview shows how black text looks on a background with the XYZ color 15.6471, 17.7085, 9.4309.



This preview shows how white text looks on a background with the XYZ color 15.6471, 17.7085,

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

15.6471, 17.7085, 9.4309

Protanopia

16.3837, 17.7426, 9.2178

Deuteranopia

17.9845, 17.7138, 9.6790



Tritanopia

17.8754, 17.5754, 20.8626

Trichromacy



Original Color

15.6471, 17.7085, 9.4309

Protanomaly

16.0606, 17.7500, 9.2362

Deuteranomaly

17.1432, 17.7838, 9.5503

Tritanomaly

16.8489, 17.4923, 15.8529

Monochromacy



Original Color

15.6471, 17.7085, 9.4309

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.7481, 17.1239, 14.5318

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6471, 17.7085, 9.4309 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(120, 119, 76)` looks like.

```
.text, #text, p{  
    color:rgb(120, 119, 76)  
}
```

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(120, 119, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 119, 76) }
```

Border

The CSS property to change the border of an element to XYZ 15.6471, 17.7085, 9.4309 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(120, 119, 76) }
```


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

```
.border{ border-color:rgb(120, 119, 76) }
```

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

Here you see how a box with a 4 pixel rgb(120, 119, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 119, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 119, 76);  
box-shadow:4px 4px 4px 4px rgb(120, 119,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6471, 17.7085, 9.4309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 119, 76) }
```

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

```
.background{ background-color: rgb(120,  
119, 76) }
```

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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