

Converting Colors

XYZ(15.5884, 17.8197, 9.8188)

Have a look what the booklet for
XYZ(15.5884, 17.8197, 9.8188)
contains.

XYZ(15.5628, 17.8346, 9.8299)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(15.5628, 17.8346,
9.8299)**

Conversions

Conversions Part 1

Format	Color
Hex	76784E
RGB	118, 120, 78
RGB Percent	46%, 47%, 31%
CMY	0.5373, 0.5294, 0.6941
CMYK	0.02, 0.00, 0.35, 0.53
HSL	63°, 21%, 39%
HSV	63°, 35%, 47%
XYZ	15.5628, 17.8346, 9.8299
YIQ	114.6140, 12.2900, -13.4860

Conversions

Conversions Part 2

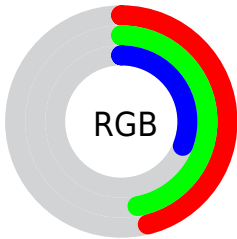
Format	Color
R_{YB}	78, 120, 80
Decimal	7764046
CIE Lab	49.29, -7.90, 22.86
CIE LCh	49, 24.185, 109.076
Yxy	17.8346, 0.3600, 0.4126
Android (android.graphics.Color)	4285954126 (0xFF76784E)
YUV	114.6140, -18.0507, 2.9695
Hunter-Lab	42.2310, -8.1242, 15.7611

Details

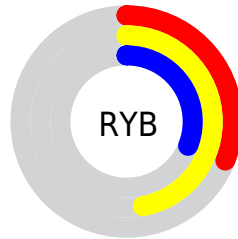
The XYZ color **15.5628, 17.8346, 9.8299** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.4236, 8.5108, 18.9165**, and the grayscale version is **16.2295, 17.0747, 18.5944**.

A 20% lighter version of the original color is **35.4434, 39.7215, 26.2210**, and **5.0461, 6.0097, 2.3329** is the 20% darker color. If you saturate the color by 10%, you get **15.0939, 17.6387, 7.7635**, and if you desaturate by 10%, it is **16.1116, 18.0638, 12.3107**.

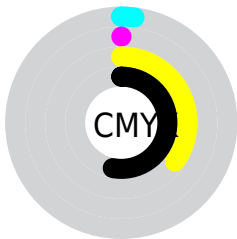
Distribution



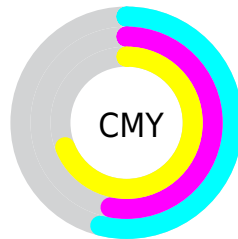
- Red (46%)
- Green (47%)
- Blue (31%)



- Red (31%)
- Yellow (47%)
- Blue (31%)



- Cyan (2%)
- Magenta (0%)
- Yellow (35%)
- Black (53%)



- Cyan (54%)
- Magenta (53%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.5628, 17.8346, 9.8299 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 15.5628, 17.8346, 9.8299 by changing the saturation by 10% instead.

■ 15.5628, 17.8346,
9.8299

■ 15.5628, 17.8346,
9.8299

220.0694,
239.9371, 199.8942

■ 9.3042, 10.8313,
5.1822

■ 35.4011, 39.7553,
26.0779

■ 4.9988, 5.9535,
2.2940

■ 49.7116, 55.4415,
38.5152

■ 2.2813, 2.8168,
0.7278

■ 67.4367, 74.7907,
54.3861

■ 0.7851, 1.0369,
0.0000

■ 88.9418, 98.1875,
74.1093

■ 0.0000, 0.0000,
0.0000

■ 114.5922,
126.0161, 98.1031

144.7534,

158.6610, 126.7862

179.7907,
196.5065, 160.5770

■ 15.5628, 17.8346,
9.8299

■ 15.5628, 17.8346,
9.8299

■ 15.0939, 17.6387,
7.7635

■ 16.1116, 18.0638,
12.3107

■ 14.6993, 17.4720,
6.0878

■ 16.7429, 18.3253,
15.2256

■ 14.3748, 17.3333,
4.7785

■ 17.4609, 18.6216,
18.5943

■ 14.1151, 17.2207,
3.8083

■ 18.2690, 18.9541,
22.4352

■ 13.9143, 17.1316,
3.1456

■ 19.1705, 19.3239,
26.7654

■ 13.7628, 17.0623,
2.7402

■ 20.1685, 19.7324,
31.6014

■ 13.6925, 17.0299,
2.5654

■ 21.2659, 20.1807,
36.9586

■ 22.4657, 20.6700,
42.8522

■ 23.7706, 21.2014,
49.2963

Harmonies

Analogous

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



17.7929, 17.8346, 9.5403



15.5628, 17.8346, 9.8299



13.8592, 17.8346, 12.3203

Triad

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



15.5628, 17.8346, 9.8299



14.2468, 17.8346, 30.4930



21.6142, 17.8346, 21.8884

Complementary

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



15.5628, 17.8346, 9.8299



9.4236, 8.5108, 18.9165

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.



20.4721, 17.8346, 28.8247



15.5628, 17.8346, 9.8299



16.1365, 17.8346, 34.4814

Square

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



15.5628, 17.8346, 9.8299



13.1476, 17.8346, 23.8030



18.4199, 17.8346, 33.8106



21.4257, 17.8346, 15.6091

Rectangle

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



15.5628, 17.8346, 9.8299



13.1884, 17.8346, 15.2835



18.4199, 17.8346, 33.8106



21.3694, 17.8346, 24.2400

Sweetspot

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



15.5632, 17.8354, 9.8303



29.8989, 32.4162, 28.8930



11.9464, 10.1934, 8.5459



7.0547, 7.6695, 6.7020



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.



15.5632, 17.8354, 9.8303



26.6980, 31.0853, 14.3147



13.0863, 16.5585, 9.7144



4.2898, 4.6247, 4.2910



14.9334, 18.5757, 2.7984



71.0247, 88.5000, 13.3388

Inverse Universe

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



9.4236, 8.5108, 18.9165



14.1857, 12.0791, 32.8369



11.4150, 9.5375, 19.0097



3.8137, 3.9018, 4.9953



3.7731, 1.5179, 19.4794



17.7944, 7.1353, 92.9092

Previews

White Background



This preview shows how the XYZ color 15.5628, 17.8346, 9.8299 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 15.5628, 17.8346, 9.8299 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

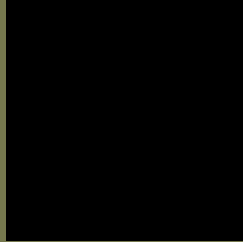
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.5628, 17.8346, 9.8299

Background



This preview shows how black text looks on a background with the XYZ color 15.5628, 17.8346, 9.8299.



This preview shows how white text looks on a background with the XYZ color 15.5628, 17.8346,

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

15.5628, 17.8346, 9.8299

Protanopia

16.4532, 17.7704, 9.5840

Deuteranopia

18.0574, 17.7430, 10.0624



Tritanopia

17.7608, 17.6756, 21.2145

Trichromacy



Original Color

15.5628, 17.8346, 9.8299

Protanomaly

16.1302, 17.7778, 9.6025

Deuteranomaly

17.0577, 17.7315, 9.9206

Tritanomaly

16.7844, 17.6173, 16.4258

Monochromacy



Original Color

15.5628, 17.8346, 9.8299

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

15.9620, 17.3949, 15.0866

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.5628, 17.8346, 9.8299 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(118, 120, 78)` looks like.

```
.text, #text, p{  
    color:rgb(118, 120, 78)  
}
```

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(118, 120, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 120, 78) }
```

Border

The CSS property to change the border of an element to XYZ 15.5628, 17.8346, 9.8299 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(118, 120, 78) }
```


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

```
.border{ border-color:rgb(118, 120, 78) }
```

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

Here you see how a box with a 4 pixel rgb(118, 120, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 120, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 120, 78);  
box-shadow:4px 4px 4px 4px rgb(118, 120,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 15.5628, 17.8346, 9.8299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 120, 78) }
```

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

```
.background{ background-color: rgb(118,  
120, 78) }
```

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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