

Converting Colors

XYZ(12.7692, 17.3736, 10.0111)

Have a look what the booklet for
XYZ(12.7692, 17.3736, 10.0111)
contains.

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Color

**XYZ(12.7694, 17.3065,
10.0646)**

Conversions

Conversions Part 1

Format	Color
Hex	587D4F
RGB	88, 125, 79
RGB Percent	35%, 49%, 31%
CMY	0.6549, 0.5098, 0.6902
CMYK	0.30, 0.00, 0.37, 0.51
HSL	108°, 23%, 40%
HSV	108°, 37%, 49%
XYZ	12.7694, 17.3065, 10.0646
YIQ	108.6930, -7.2860, -22.1500

Conversions

Conversions Part 2

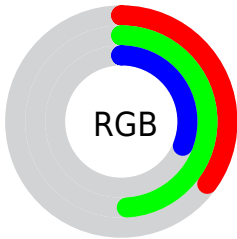
Format	Color
R_{YB}	79, 125, 116
Decimal	5799247
CIE _{Lab}	48.64, -22.55, 21.03
CIE _{LCh}	49, 30.835, 137.009
Yxy	17.3065, 0.3181, 0.4311
Android (android.graphics.Color)	4283989327 (0xFF587D4F)
YUV	108.6930, -14.6386, -18.1478
Hunter-Lab	41.6011, -18.0115, 14.7767

Details

The XYZ color **12.7694, 17.3065, 10.0646** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **13.7010, 10.7862, 20.7629**, and the grayscale version is **14.4909, 15.2455, 16.6024**.

A 20% lighter version of the original color is **30.5303, 38.9147, 26.6711**, and **3.7482, 5.7355, 2.4229** is the 20% darker color. If you saturate the color by 10%, you get **11.4696, 16.6847, 7.8480**, and if you desaturate by 10%, it is **14.2870, 18.0318, 12.7388**.

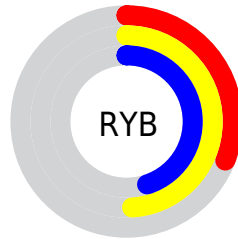
Distribution



Red (35%)

Green (49%)

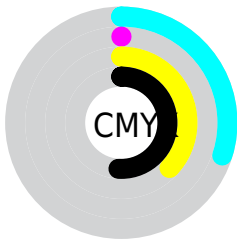
Blue (31%)



Red (31%)

Yellow (49%)

Blue (45%)

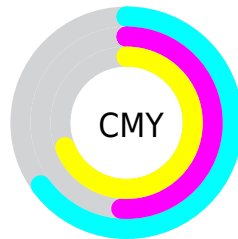


Cyan (30%)

Magenta (0%)

Yellow (37%)

Black (51%)



Cyan (65%)

Magenta (51%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7694, 17.3065, 10.0646 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 12.7694, 17.3065, 10.0646 by changing the saturation by 10% instead.

■ 12.7694, 17.3065,
10.0646

■ 12.7694, 17.3065,
10.0646

203.1021,
236.9325, 201.6340

■ 7.3458, 10.4533,
5.3356

■ 30.4937, 38.8520,
26.5267

■ 3.7276, 5.7005,
2.3834

■ 43.5252, 54.3131,
39.0968

■ 1.5492, 2.6638,
0.7774

■ 59.8234, 73.4122,
55.1178

■ 0.3589, 0.9589,
0.0000

■ 79.7536, 96.5338,
75.0082

■ 0.0000, 0.0000,
0.0000

■ 103.6812,
124.0622, 99.1864

131.9716,

156.3819, 128.0712

164.9901,
193.8772, 162.0808

■ 12.7694, 17.3065,
10.0646

■ 12.7694, 17.3065,
10.0646

■ 11.4696, 16.6847,
7.8480

■ 14.2870, 18.0318,
12.7388

■ 10.3761, 16.1593,
6.0623

■ 16.0305, 18.8626,
15.8932

■ 9.4784, 15.7262,
4.6798

■ 18.0093, 19.8038,
19.5499

■ 8.7643, 15.3797,
3.6691

■ 20.2319, 20.8593,
23.7297

■ 8.2205, 15.1138,
2.9940

■ 22.7061, 22.0329,
28.4519

■ 7.8258, 14.9190,
2.5820

■ 25.4396, 23.3279,
33.7352

■ 7.7215, 14.8678,
2.4628

■ 28.4397, 24.7479,
39.5969

■ 31.7134, 26.2961,
46.0540

■ 35.2675, 27.9755,
53.1226

Harmonies

Analogous

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



14.9030, 17.3065, 7.4958



12.7694, 17.3065, 10.0646



11.6812, 17.3065, 15.5422

Triad

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



12.7694, 17.3065, 10.0646



15.2520, 17.3065, 38.5609



22.2436, 17.3065, 14.6290

Complementary

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



12.7694, 17.3065, 10.0646



13.7010, 10.7862, 20.7629

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.



22.3650, 17.3065, 22.5828



12.7694, 17.3065, 10.0646



18.0991, 17.3065, 38.1052

Square

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



12.7694, 17.3065, 10.0646



12.9995, 17.3065, 32.7551



20.7759, 17.3065, 31.6468



20.4611, 17.3065, 9.5627

Rectangle

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



12.7694, 17.3065, 10.0646



11.6026, 17.3065, 20.8175



20.7759, 17.3065, 31.6468



22.4866, 17.3065, 16.9990

Sweetspot

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



12.7698, 17.3072, 10.0650



30.6133, 34.6844, 31.9697



16.0919, 17.3701, 9.9020



6.8770, 7.8484, 7.1123



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



12.7698, 17.3072, 10.0650



20.9154, 30.0575, 14.6857



12.5256, 17.1171, 12.9537



4.3486, 4.8561, 4.6283



8.0536, 15.5142, 2.5701



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.7010, 10.7862, 20.7629



22.8259, 16.6049, 36.7464



14.1344, 11.1045, 16.4959



4.4183, 4.3713, 5.4241



9.4065, 4.4029, 20.6040



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.7694, 17.3065, 10.0646 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 12.7694, 17.3065, 10.0646 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 12.7694, 17.3065, 10.0646

Background



This preview shows how black text looks on a background with the XYZ color 12.7694, 17.3065, 10.0646.



This preview shows how white text looks on a background with the XYZ color 12.7694, 17.3065,

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

12.7694, 17.3065, 10.0646

Protanopia

15.8582, 17.1294, 9.1271

Deuteranopia

17.4154, 17.0794, 10.3614



Tritanopia

15.3170, 17.2390, 22.9422

Trichromacy



Original Color

12.7694, 17.3065, 10.0646

Protanomaly

14.5834, 17.1602, 9.3811

Deuteranomaly

15.2237, 16.7775, 10.2206

Tritanomaly

14.1660, 17.1277, 17.3112

Monochromacy



Original Color

12.7694, 17.3065, 10.0646

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.7022, 15.9100, 13.9040

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7694, 17.3065, 10.0646 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(88, 125, 79)` looks like.

```
.text, #text, p{  
    color:rgb(88, 125, 79)  
}
```

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(88, 125, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 125, 79) }
```

Border

The CSS property to change the border of an element to XYZ 12.7694, 17.3065, 10.0646 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(88, 125, 79) }
```


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

```
.border{ border-color:rgb(88, 125, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 125, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 125, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 125, 79);  
box-shadow:4px 4px 4px 4px rgb(88, 125,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7694, 17.3065, 10.0646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 125, 79) }
```

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

```
.background{ background-color: rgb(88, 125,  
79) }
```

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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