

Converting Colors

XYZ(10.3094, 14.9250, 4.9288)

Have a look what the booklet for
XYZ(10.3094, 14.9250, 4.9288)
contains.

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Color

**XYZ(10.2798, 14.8596,
4.9112)**

Conversions

Conversions Part 1

Format	Color
Hex	50762E
RGB	80, 118, 46
RGB Percent	31%, 46%, 18%
CMY	0.6863, 0.5372, 0.8196
CMYK	0.32, 0.00, 0.61, 0.54
HSL	92°, 44%, 32%
HSV	92°, 61%, 46%
XYZ	10.2798, 14.8596, 4.9112
YIQ	98.4300, 0.4640, -30.4480

Conversions

Conversions Part 2

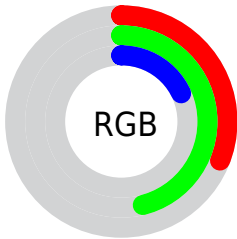
Format	Color
R_{YB}	46, 118, 84
Decimal	5273134
CIE _{Lab}	45.44, -26.61, 34.74
CIE _{LCh}	45, 43.760, 127.450
Yxy	14.8596, 0.3421, 0.4945
Android (android.graphics.Color)	4283463214 (0xFF50762E)
YUV	98.4300, -25.8480, -16.1631
Hunter-Lab	38.5482, -19.8579, 19.4299

Details

The XYZ color **10.2798, 14.8596, 4.9112** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **7.9040, 5.1474, 17.7174**, and the grayscale version is **11.7796, 12.3930, 13.4960**.

A 20% lighter version of the original color is **25.9560, 34.4812, 16.1140**, and **2.6635, 4.5323, 0.7344** is the 20% darker color. If you saturate the color by 10%, you get **9.5768, 14.5210, 3.8268**, and if you desaturate by 10%, it is **11.0962, 15.2503, 6.3355**.

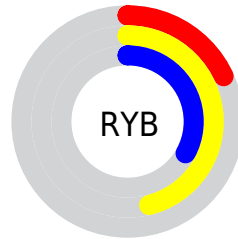
Distribution



Red (31%)

Green (46%)

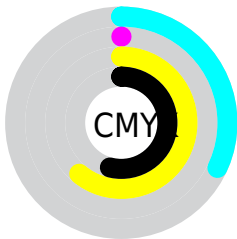
Blue (18%)



Red (18%)

Yellow (46%)

Blue (33%)

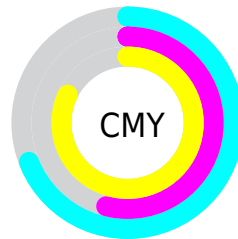


Cyan (32%)

Magenta (0%)

Yellow (61%)

Black (54%)



Cyan (69%)

Magenta (54%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.2798, 14.8596, 4.9112 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 10.2798, 14.8596, 4.9112 by changing the saturation by 10% instead.

■ 10.2798, 14.8596,
4.9112

■ 10.2798, 14.8596,
4.9112

186.6697,
222.5148, 157.8709

■ 5.6486, 8.7209,
2.1374

■ 25.9654, 34.6067,
16.0620

■ 2.6712, 4.5596,
0.6379

■ 37.7504, 48.9839,
25.2761

■ 0.9824, 1.9913,
0.0000

■ 52.6508, 66.8760,
37.4741

■ 0.0000, 0.6024,
0.0000

■ 71.0318, 88.6675,
53.0745

■ 0.0000, 0.0000,
0.0000

■ 93.2589, 114.7427,
72.4958

■ 119.6973,

145.4861, 96.1567

150.7125,
181.2820, 124.4755

■ 10.2798, 14.8596,
4.9112

■ 10.2798, 14.8596,
4.9112

■ 9.5768, 14.5210,
3.8268

■ 11.0962, 15.2503,
6.3355

■ 8.9796, 14.2296,
3.0529

■ 12.0311, 15.6936,
8.1239

■ 8.4807, 13.9829,
2.5566

■ 13.0903, 16.1926,
10.2997

■ 8.0939, 13.7902,
2.2352

■ 14.2791, 16.7495,
12.8837

■ 15.6022, 17.3662,
15.8954

■ 17.0641, 18.0449,
19.3530

■ 18.6693, 18.7873,
23.2736

■ 20.4217, 19.5951,
27.6736

■ 22.3255, 20.4702,
32.5684

Harmonies

Analogous

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



13.2351, 14.8596, 3.3297



10.2798, 14.8596, 4.9112



8.5942, 14.8596, 9.6442

Triad

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



10.2798, 14.8596, 4.9112



11.6053, 14.8596, 42.6605



22.2651, 14.8596, 13.7164

Complementary

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



10.2798, 14.8596, 4.9112



7.9040, 5.1474, 17.7174

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.



21.6264, 14.8596, 25.1510



10.2798, 14.8596, 4.9112



15.0510, 14.8596, 45.3164

Square

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



10.2798, 14.8596, 4.9112



9.2627, 14.8596, 31.6910



18.8229, 14.8596, 37.8882



20.4426, 14.8596, 6.7934

Rectangle

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



10.2798, 14.8596, 4.9112



8.2204, 14.8596, 15.3039



18.8229, 14.8596, 37.8882



22.3359, 14.8596, 17.0880

Sweetspot

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



10.2802, 14.8602, 4.9115



25.6805, 29.7178, 23.9391



11.0736, 10.2666, 3.9830



5.7832, 6.7760, 5.2325



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



10.2802, 14.8602, 4.9115



16.4178, 25.3269, 6.1496



8.1228, 13.7453, 4.9358



3.7898, 4.1751, 3.9484



8.7417, 14.9109, 2.4174



41.6253, 72.1604, 11.7345

Inverse Universe

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



7.9040, 5.1474, 17.7174



11.8381, 6.6317, 30.7931



11.6480, 7.0857, 17.5227



3.6679, 3.6761, 4.6065



5.6917, 2.5255, 18.7301



26.7403, 11.7936, 91.2273

Previews

White Background



This preview shows how the XYZ color 10.2798, 14.8596, 4.9112 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 10.2798, 14.8596, 4.9112 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 10.2798, 14.8596, 4.9112

Background



This preview shows how black text looks on a background with the XYZ color 10.2798, 14.8596, 4.9112.



This preview shows how white text looks on a background with the XYZ color 10.2798, 14.8596,

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

10.2798, 14.8596, 4.9112

Protanopia

13.3015, 14.6117, 4.4048

Deuteranopia

14.8646, 14.6473, 5.1757



Tritanopia

13.3286, 14.9249, 19.6311

Trichromacy



Original Color

10.2798, 14.8596, 4.9112

Protanomaly

11.9648, 14.5540, 4.5615

Deuteranomaly

12.7270, 14.4576, 5.0255

Tritanomaly

11.8796, 14.8336, 12.3623

Monochromacy



Original Color

10.2798, 14.8596, 4.9112

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

10.7772, 12.8918, 9.3175

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.2798, 14.8596, 4.9112 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(80, 118, 46)` looks like.

```
.text, #text, p{  
    color:rgb(80, 118, 46)  
}
```

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(80, 118, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 118, 46) }
```

Border

The CSS property to change the border of an element to XYZ 10.2798, 14.8596, 4.9112 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(80, 118, 46) }
```


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

```
.border{ border-color:rgb(80, 118, 46) }
```

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

Here you see how a box with a 4 pixel rgb(80, 118, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 118, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 118, 46);  
box-shadow:4px 4px 4px 4px rgb(80, 118,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 10.2798, 14.8596, 4.9112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 118, 46) }
```

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

```
.background{ background-color: rgb(80, 118,  
46) }
```

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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