

Converting Colors

XYZ(19.5031, 28.0676, 11.7991)

Have a look what the booklet for
XYZ(19.5031, 28.0676, 11.7991)
contains.

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Color

**XYZ(19.4638, 28.0215,
11.7800)**

Conversions

Conversions Part 1

Format	Color
Hex	699E4F
RGB	105, 158, 79
RGB Percent	41%, 62%, 31%
CMY	0.5882, 0.3804, 0.6902
CMYK	0.34, 0.00, 0.50, 0.38
HSL	100°, 33%, 46%
HSV	100°, 50%, 62%
XYZ	19.4638, 28.0215, 11.7800
YIQ	133.1470, -6.2290, -35.8050

Conversions

Conversions Part 2

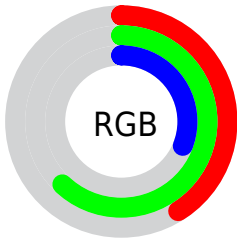
Format	Color
R_{YB}	79, 158, 132
Decimal	6921807
CIE _{Lab}	59.91, -32.48, 35.58
CIE _{LCh}	60, 48.171, 132.392
Yxy	28.0215, 0.3284, 0.4728
Android (android.graphics.Color)	4285111887 (0xFF699E4F)
YUV	133.1470, -26.6945, -24.6849
Hunter-Lab	52.9353, -27.0042, 23.8606

Details

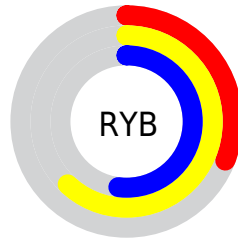
The XYZ color **19.4638, 28.0215, 11.7800** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **18.4847, 12.9671, 33.8780**, and the grayscale version is **22.4443, 23.6132, 25.7148**.

A 20% lighter version of the original color is **42.1216, 56.5711, 29.8184**, and **6.8696, 11.1639, 3.0891** is the 20% darker color. If you saturate the color by 10%, you get **17.7874, 27.2169, 9.0482**, and if you desaturate by 10%, it is **21.4335, 28.9632, 15.2403**.

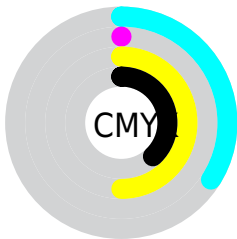
Distribution



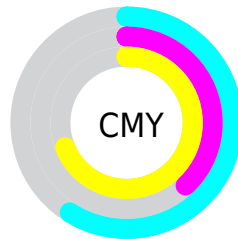
- Red (41%)
- Green (62%)
- Blue (31%)



- Red (31%)
- Yellow (62%)
- Blue (52%)



- Cyan (34%)
- Magenta (0%)
- Yellow (50%)
- Black (38%)



- Cyan (59%)
- Magenta (38%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4638, 28.0215, 11.7800 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 19.4638, 28.0215, 11.7800 by changing the saturation by 10% instead.

■ 19.4638, 28.0215,
11.7800

■ 19.4638, 28.0215,
11.7800

241.8866,
292.5696, 213.8693

■ 12.1119, 18.3419,
6.4733

■ 42.0272, 56.5188,
29.7522

■ 6.8927, 11.1957,
3.0616

■ 57.9694, 76.1052,
43.2547

■ 3.4408, 6.1986,
1.1262

■ 77.5057, 99.7627,
60.3264

■ 1.3909, 2.9662,
0.0000

■ 101.0015,
127.8756, 81.3856

■ 0.2497, 1.1141,
0.0000

■ 128.8221,
160.8283, 106.8510

■ 0.0000, 0.0000,
0.0000

161.3330,

199.0053, 137.1410

198.8993,
242.7910, 172.6743

■ 19.4638, 28.0215,
11.7800

■ 19.4638, 28.0215,
11.7800

■ 17.7874, 27.2169,
9.0482

■ 21.4335, 28.9632,
15.2403

■ 16.3868, 26.5389,
6.9908

■ 23.7088, 30.0448,
19.4742

■ 15.2454, 25.9812,
5.5496


■ 26.3036, 31.2734,
24.5254


■ 14.3437, 25.5353,
4.6553


■ 29.2303, 32.6544,
30.4338


■ 13.6434, 25.1849,
4.1421


■ 32.5007, 34.1932,
37.2366

 13.6434, 25.1849,
4.1421

 36.1259, 35.8947,
44.9688

 40.1165, 37.7636,
53.6638

 44.4828, 39.8045,
63.3529

 49.2344, 42.0219,
74.0663

Harmonies

Analogous

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



24.1880, 28.0215, 8.0173



19.4638, 28.0215, 11.7800



16.9211, 28.0215, 21.4122

Triad

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



19.4638, 28.0215, 11.7800



23.2313, 28.0215, 75.2047



39.8543, 28.0215, 23.8367

Complementary

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



19.4638, 28.0215, 11.7800



18.4847, 12.9671, 33.8780

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.



39.4930, 28.0215, 41.8784



19.4638, 28.0215, 11.7800



29.2387, 28.0215, 76.6618

Square

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



19.4638, 28.0215, 11.7800



18.8562, 28.0215, 59.3270



35.3779, 28.0215, 62.7684



36.3003, 28.0215, 12.9671

Rectangle

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



19.4638, 28.0215, 11.7800



16.5245, 28.0215, 31.9387



35.3779, 28.0215, 62.7684



40.2005, 28.0215, 29.1258

Sweetspot

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



19.4645, 28.0227, 11.7806



50.1899, 57.9348, 49.3875



23.7192, 24.2471, 10.8276



11.0808, 12.9507, 10.6631



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



19.4645, 28.0227, 11.7806



31.9767, 49.2673, 15.9311



17.3913, 26.8930, 14.4383



6.7461, 7.5018, 7.0781



10.9644, 20.1891, 3.3190



0.2381, 0.3827, 0.0613

Inverse Universe

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



18.4847, 12.9671, 33.8780



29.9490, 18.6934, 60.7732



21.9956, 14.9011, 28.4390



6.6918, 6.6451, 8.3366



9.7465, 4.4535, 26.2532



0.2169, 0.1016, 0.4714

Previews

White Background



This preview shows how the XYZ color 19.4638, 28.0215, 11.7800 looks on a white 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

Black Background



This preview shows how the XYZ color 19.4638, 28.0215, 11.7800 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 19.4638, 28.0215, 11.7800

Background



This preview shows how black text looks on a background with the XYZ color 19.4638, 28.0215, 11.7800.



This preview shows how white text looks on a background with the XYZ color 19.4638, 28.0215,

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

19.4638, 28.0215, 11.7800

Protanopia

25.5074, 27.8119, 10.5024

Deuteranopia

28.2251, 27.6454, 12.2360



Tritanopia

24.6517, 27.9197, 37.8080

Trichromacy



Original Color

19.4638, 28.0215, 11.7800

Protanomaly

22.6994, 27.5057, 10.9502

Deuteranomaly

24.2261, 27.3440, 11.9837

Tritanomaly

22.1350, 27.6059, 25.6346

Monochromacy



Original Color

19.4638, 28.0215, 11.7800

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

20.8220, 24.7492, 19.3024

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4638, 28.0215, 11.7800 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(105, 158, 79)` looks like.

```
.text, #text, p{  
    color:rgb(105, 158, 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(105, 158, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 158, 79) }
```

Border

The CSS property to change the border of an element to XYZ 19.4638, 28.0215, 11.7800 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(105, 158, 79) }
```


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

```
.border{ border-color:rgb(105, 158, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 158, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 158, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 158, 79);  
box-shadow:4px 4px 4px 4px rgb(105, 158,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4638, 28.0215, 11.7800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 158, 79) }
```

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

```
.background{ background-color: rgb(105,  
158, 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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