

Converting Colors

XYZ(27.2653, 38.9028, 19.3567)

Have a look what the booklet for
XYZ(27.2653, 38.9028, 19.3567)
contains.

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Color

**XYZ(27.2290, 38.8800,
19.4341)**

Conversions

Conversions Part 1

Format	Color
Hex	78B769
RGB	120, 183, 105
RGB Percent	47%, 72%, 41%
CMY	0.5294, 0.2823, 0.5882
CMYK	0.34, 0.00, 0.43, 0.28
HSL	108°, 35%, 56%
HSV	108°, 43%, 72%
XYZ	27.2290, 38.8800, 19.4341
YIQ	155.2710, -12.5100, -37.6140

Conversions

Conversions Part 2

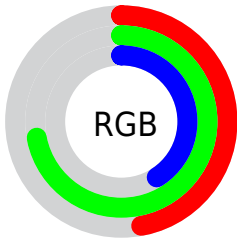
Format	Color
RYB	105, 183, 168
Decimal	7911273
CIELab	68.66, -35.32, 33.37
CIELCh	69, 48.589, 136.631
Yxy	38.8800, 0.3183, 0.4545
Android (android.graphics.Color)	4286101353 (0xFF78B769)
YUV	155.2710, -24.7836, -30.9327
Hunter-Lab	62.3538, -31.1709, 25.1685

Details

The XYZ color **27.2290, 38.8800, 19.4341** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **29.7492, 21.8482, 47.4511**, and the grayscale version is **31.3870, 33.0216, 35.9605**.

A 20% lighter version of the original color is **54.6315, 73.2813, 43.1636**, and **11.0112, 17.4441, 6.5281** is the 20% darker color. If you saturate the color by 10%, you get **24.4938, 37.5684, 14.9136**, and if you desaturate by 10%, it is **30.4850, 40.4391, 25.0372**.

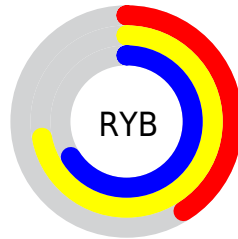
Distribution



Red (47%)

Green (72%)

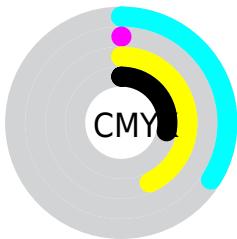
Blue (41%)



Red (41%)

Yellow (72%)

Blue (66%)

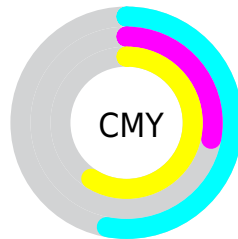


Cyan (34%)

Magenta (0%)

Yellow (43%)

Black (28%)



Cyan (53%)

Magenta (28%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2290, 38.8800, 19.4341 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 27.2290, 38.8800, 19.4341 by changing the saturation by 10% instead.

■ 27.2290, 38.8800,
19.4341

■ 27.2290, 38.8800,
19.4341

280.9116,
341.3800, 261.3370

■ 17.8828, 26.6664,
11.8044

■ 54.6684, 73.4550,
43.3128

■ 10.9650, 17.3228,
6.4897

■ 73.4923, 96.5851,
60.3988

■ 6.1104, 10.4649,
3.0715

■ 96.2061, 124.1229,
81.4740

■ 2.9537, 5.7083,
1.1313

■ 123.1752,
156.4527, 106.9570

■ 1.1293, 2.6685,
0.0000

154.7650,
193.9589, 137.2662

■ 0.0494, 0.9612,
0.0000

191.3407,

■ 0.0000, 0.0000,

237.0259, 172.8203

0.0000

233.2678,
286.0382, 214.0377

■ 27.2290, 38.8800,
19.4341

■ 27.2290, 38.8800,
19.4341

■ 24.4938, 37.5684,
14.9136

■ 30.4850, 40.4391,
25.0372

■ 22.2491, 36.4865,
11.4033

■ 34.2845, 42.2524,
31.7838

■ 20.4654, 35.6222,
8.8262


■ 38.6522, 44.3326,
39.7333


■ 19.1090, 34.9599,
7.0931


■ 43.6104, 46.6900,
48.9404


■ 18.1411, 34.4820,
6.0975


■ 49.1803, 49.3344,
59.4564

 17.6338, 34.2292,
5.6775

 55.3819, 52.2750,
71.3296

 62.2343, 55.5208,
84.6060

 69.7560, 59.0803,
99.3294

 75.5051, 61.9779,
102.5911

Harmonies

Analogous

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



32.8886, 38.8800, 13.3734



27.2290, 38.8800, 19.4341



24.3733, 38.8800, 33.2919

Triad

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



27.2290, 38.8800, 19.4341



33.6452, 38.8800, 98.2192



52.9788, 38.8800, 31.3507

Complementary

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



27.2290, 38.8800, 19.4341



29.7492, 21.8482, 47.4511

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.



53.2558, 38.8800, 52.8802



27.2290, 38.8800, 19.4341



41.3419, 38.8800, 97.1318

Square

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



27.2290, 38.8800, 19.4341



27.7165, 38.8800, 81.1005



48.7567, 38.8800, 78.5043



48.0456, 38.8800, 18.4391

Rectangle

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



27.2290, 38.8800, 19.4341



24.1458, 38.8800, 47.4052



48.7567, 38.8800, 78.5043



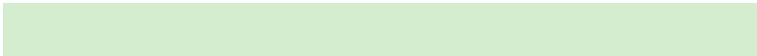
53.6411, 38.8800, 37.6375

Sweetspot

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



27.2300, 38.8817, 19.4350



68.7302, 79.1611, 70.2540



35.9721, 38.8733, 18.9726



14.7824, 17.2948, 14.7875



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



27.2300, 38.8817, 19.4350



44.2161, 67.4495, 27.2738



26.6831, 38.4411, 26.5749



9.0473, 10.1410, 9.5875



12.3458, 23.9008, 3.9626



0.4840, 0.8677, 0.1420

Inverse Universe

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



29.7492, 21.8482, 47.4511



49.2778, 32.9413, 83.9968



30.8917, 22.6956, 35.8286



9.2071, 9.0731, 11.3455



14.5141, 6.7935, 31.7994



0.5557, 0.2622, 1.1231

Previews

White Background



This preview shows how the XYZ color 27.2290, 38.8800, 19.4341 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 27.2290, 38.8800, 19.4341 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 ✓ Pass

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

XYZ 27.2290, 38.8800, 19.4341

Background



This preview shows how black text looks on a background with the XYZ color 27.2290, 38.8800, 19.4341.



This preview shows how white text looks on a background with the XYZ color 27.2290, 38.8800,

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

27.2290, 38.8800, 19.4341

Protanopia

35.5993, 38.6056, 17.3797

Deuteranopia

39.0320, 38.2014, 20.0683



Tritanopia

33.7447, 38.5433, 52.6748

Trichromacy



Original Color

27.2290, 38.8800, 19.4341



Protanomaly

31.7897, 38.3003, 18.0291



Deuteranomaly

33.5040, 37.7459, 19.7072



Tritanomaly

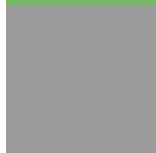
30.8612, 38.5457, 37.7118

Monochromacy



Original Color

27.2290, 38.8800, 19.4341



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

29.1258, 34.4672, 28.7847

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2290, 38.8800, 19.4341 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, 183, 105)` looks like.

```
.text, #text, p{  
    color:rgb(120, 183, 105)  
}
```

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, 183, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 183, 105) }
```

Border

The CSS property to change the border of an element to XYZ 27.2290, 38.8800, 19.4341 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, 183, 105) }
```


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

```
.border{ border-color:rgb(120, 183, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 183, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 183, 105); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 183, 105); box-shadow:4px 4px 4px 4px rgb(120, 183, 105) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2290, 38.8800, 19.4341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 183, 105) }
```

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

```
.background{ background-color: rgb(120,  
183, 105) }
```

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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