

Converting Colors

XYZ(27.5751, 38.3261, 16.7550)

Have a look what the booklet for
XYZ(27.5751, 38.3261, 16.7550)
contains.

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Color

**XYZ(27.4401, 38.1359,
16.7412)**

Conversions

Conversions Part 1

Format	Color
Hex	81B45F
RGB	129, 180, 95
RGB Percent	51%, 71%, 37%
CMY	0.4941, 0.2941, 0.6274
CMYK	0.28, 0.00, 0.47, 0.29
HSL	96°, 36%, 54%
HSV	96°, 47%, 71%
XYZ	27.4401, 38.1359, 16.7412
YIQ	155.0610, -3.1110, -37.2470

Conversions

Conversions Part 2

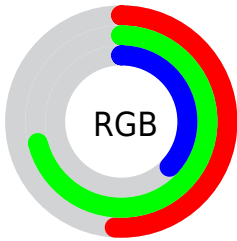
Format	Color
RYB	95, 180, 146
Decimal	8500319
CIELab	68.12, -32.13, 37.89
CIElCh	68, 49.679, 130.296
Yxy	38.1359, 0.3333, 0.4633
Android (android.graphics.Color)	4286690399 (0xFF81B45F)
YUV	155.0610, -29.6101, -22.8555
Hunter-Lab	61.7543, -28.7547, 27.1548

Details

The XYZ color **27.4401, 38.1359, 16.7412** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **24.1862, 17.5919, 45.3030**, and the grayscale version is **31.3116, 32.9422, 35.8741**.

A 20% lighter version of the original color is **55.0291, 72.2878, 38.6564**, and **11.1431, 16.9538, 5.2699** is the 20% darker color. If you saturate the color by 10%, you get **25.1600, 37.0455, 12.8460**, and if you desaturate by 10%, it is **30.0846, 39.3946, 21.6419**.

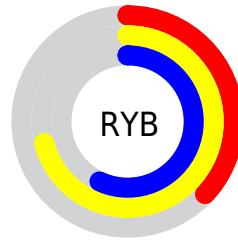
Distribution



Red (51%)

Green (71%)

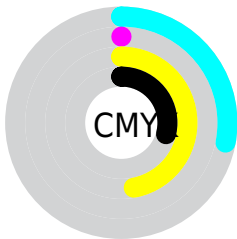
Blue (37%)



Red (37%)

Yellow (71%)

Blue (57%)

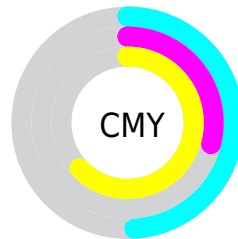


Cyan (28%)

Magenta (0%)

Yellow (47%)

Black (29%)



Cyan (49%)

Magenta (29%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.4401, 38.1359, 16.7412 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 27.4401, 38.1359, 16.7412 by changing the saturation by 10% instead.

■ 27.4401, 38.1359,
16.7412

■ 27.4401, 38.1359,
16.7412

281.9106,
338.2026, 245.6698

■ 18.0423, 26.0882,
9.8901

■ 55.0042, 72.3164,
38.6648

■ 11.0802, 16.8896,
5.2215

■ 73.9012, 95.2179,
54.5744

■ 6.1885, 10.1558,
2.3168

■ 96.6954, 122.5062,
74.3407

■ 3.0018, 5.5024,
0.7406

■ 123.7520,
154.5657, 98.3820

■ 1.1547, 2.5449,
0.0000

155.4365,
191.7806, 127.1171

■ 0.0702, 0.8991,
0.0000

192.1142,

■ 0.0000, 0.0000,

234.5355, 160.9644

0.0000

234.1504,
283.2147, 200.3424

■ 27.4401, 38.1359,
16.7412

■ 27.4401, 38.1359,
16.7412

■ 25.1600, 37.0455,
12.8460

■ 30.0846, 39.3946,
21.6419

■ 23.2230, 36.1105,
9.8839

■ 33.1078, 40.8242,
27.6088

■ 21.6093, 35.3236,
7.7771


■ 36.5264, 42.4332,
34.7005


■ 20.2958, 34.6748,
6.4339


■ 40.3555, 44.2280,
42.9711


■ 19.2508, 34.1508,
5.7207


■ 44.6090, 46.2149,
52.4706

 18.9942, 34.0217,
5.5657

 49.3003, 48.3997,
63.2466

 54.4422, 50.7881,
75.3439

 60.0469, 53.3852,
88.8053

 65.8013, 56.0665,
101.9616

Harmonies

Analogous

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



33.6488, 38.1359, 12.1008



27.4401, 38.1359, 16.7412



23.9522, 38.1359, 28.7347

Triad

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



27.4401, 38.1359, 16.7412



31.4522, 38.1359, 96.0400



52.9707, 38.1359, 34.3546

Complementary

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



27.4401, 38.1359, 16.7412



24.1862, 17.5919, 45.3030

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.



52.1604, 38.1359, 57.6352



27.4401, 38.1359, 16.7412



38.9756, 38.1359, 99.2428

Square

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



27.4401, 38.1359, 16.7412



26.0297, 38.1359, 75.6833



46.7616, 38.1359, 83.3101



48.8393, 38.1359, 19.5898

Rectangle

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



27.4401, 38.1359, 16.7412



23.2965, 38.1359, 41.7443



46.7616, 38.1359, 83.3101



53.2800, 38.1359, 41.3035

Sweetspot

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



27.4410, 38.1376, 16.7420



68.2185, 77.8714, 67.1609



31.1684, 31.0889, 15.1850



14.4359, 16.6860, 13.8571



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



27.4410, 38.1376, 16.7420



45.3324, 67.0307, 22.8296



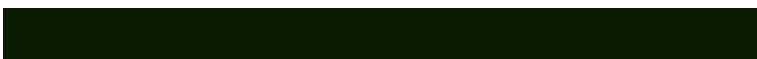
23.5151, 36.0666, 18.6868



8.7000, 9.6504, 9.0567



13.3277, 23.7808, 3.8877



0.4861, 0.7826, 0.1254

Inverse Universe

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



24.1862, 17.5919, 45.3030



38.6627, 25.0965, 81.1010



30.3146, 20.8482, 41.2067



8.5146, 8.4738, 10.6932



10.1439, 4.5652, 30.4835



0.3828, 0.1765, 0.9621

Previews

White Background



This preview shows how the XYZ color 27.4401, 38.1359, 16.7412 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 27.4401, 38.1359, 16.7412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

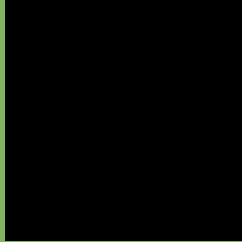
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.4401, 38.1359, 16.7412

Background



This preview shows how black text looks on a background with the XYZ color 27.4401, 38.1359, 16.7412.



This preview shows how white text looks on a background with the XYZ color 27.4401, 38.1359,

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

27.4401, 38.1359, 16.7412

Protanopia

34.7731, 37.9557, 15.1663

Deuteranopia

38.3465, 37.6532, 17.3033



Tritanopia

34.3541, 38.0498, 50.8811

Trichromacy



Original Color

27.4401, 38.1359, 16.7412

Protanomaly

31.5989, 37.6851, 15.7337

Deuteranomaly

33.2964, 37.1529, 16.9716

Tritanomaly

31.2848, 37.9424, 35.3805

Monochromacy



Original Color

27.4401, 38.1359, 16.7412

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

29.3632, 34.3554, 27.2739

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.4401, 38.1359, 16.7412 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(129, 180, 95)` looks like.

```
.text, #text, p{  
    color:rgb(129, 180, 95)  
}
```

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(129, 180, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 180, 95) }
```

Border

The CSS property to change the border of an element to XYZ 27.4401, 38.1359, 16.7412 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(129, 180, 95) }
```


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

```
.border{ border-color:rgb(129, 180, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 180, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 180, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 180, 95);  
box-shadow:4px 4px 4px 4px rgb(129, 180,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 27.4401, 38.1359, 16.7412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 180, 95) }
```

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

```
.background{ background-color: rgb(129,  
180, 95) }
```

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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