

Converting Colors

XYZ(27.3726, 43.6193, 19.4164)

Have a look what the booklet for
XYZ(27.3726, 43.6193, 19.4164)
contains.

XYZ(27.2450, 43.4135, 19.2556)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(27.2450, 43.4135,
19.2556)**

Conversions

Conversions Part 1

Format	Color
Hex	61C565
RGB	97, 197, 101
RGB Percent	38%, 77%, 40%
CMY	0.6196, 0.2274, 0.6039
CMYK	0.51, 0.00, 0.49, 0.23
HSL	122°, 46%, 58%
HSV	122°, 51%, 77%
XYZ	27.2450, 43.4135, 19.2556
YIQ	156.1560, -28.7840, -51.0560

Conversions

Conversions Part 2

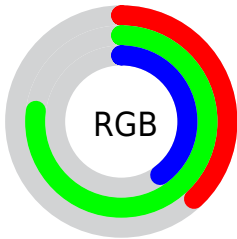
Format	Color
RYB	97, 193, 197
Decimal	6407525
CIELab	71.83, -48.92, 39.18
CIELCh	72, 62.677, 141.312
Yxy	43.4135, 0.3030, 0.4828
Android (android.graphics.Color)	4284597605 (0xFF61C565)
YUV	156.1560, -27.1919, -51.8798
Hunter-Lab	65.8889, -41.4961, 28.7951

Details

The XYZ color **27.2450, 43.4135, 19.2556** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **36.9276, 24.2707, 53.1917**, and the grayscale version is **31.7974, 33.4533, 36.4307**.

A 20% lighter version of the original color is **54.6010, 80.0867, 43.1524**, and **10.9302, 19.9251, 6.4018** is the 20% darker color. If you saturate the color by 10%, you get **24.5784, 42.1351, 14.8382**, and if you desaturate by 10%, it is **30.6481, 45.0495, 24.8223**.

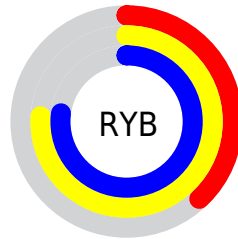
Distribution



Red (38%)

Green (77%)

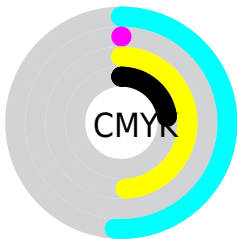
Blue (40%)



Red (38%)

Yellow (76%)

Blue (77%)

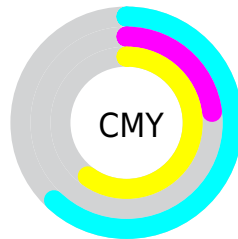


Cyan (51%)

Magenta (0%)

Yellow (49%)

Black (23%)



Cyan (62%)

Magenta (23%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2450, 43.4135, 19.2556 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 27.2450, 43.4135, 19.2556 by changing the saturation by 10% instead.

■ 27.2450, 43.4135,
19.2556

■ 27.2450, 43.4135,
19.2556

280.9874,
360.3095, 260.3258

■ 17.8948, 30.2097,
11.6764

■ 54.6939, 80.3345,
43.0080

■ 10.9738, 19.9978,
6.4039

■ 73.5233, 104.8204,
60.0183

■ 6.1164, 12.3934,
3.0195

■ 96.2432, 133.8359,
81.0094

■ 2.9573, 7.0122,
1.1046

■ 123.2190,
167.7652, 106.3999

■ 1.1312, 3.4697,
0.0000

154.8159,
206.9929, 136.6082

■ 0.0510, 1.3816,
0.0000

191.3994,

■ 0.0000, 0.2031,

251.9032, 172.0529

0.0000

233.3348,
302.8806, 213.1526

■ 0.0000, 0.0000,
0.0000

■ 27.2450, 43.4135,
19.2556

■ 27.2450, 43.4135,
19.2556

■ 24.5784, 42.1351,
14.8382

■ 30.6481, 45.0495,
24.8223

■ 22.5911, 41.1827,
11.4872

■ 34.8334, 47.0612,
31.6076

■ 21.2224, 40.5283,
9.1134

■ 39.8463, 49.4720,
39.6789

■ 20.3996, 40.1365,
7.6118

■ 45.7280, 52.3018,
49.0979

■ 20.0103, 39.9515,
6.8831

■ 52.5171, 55.5691,
59.9220

■ 60.2495, 59.2914,
72.2057

■ 68.9596, 63.4853,
86.0003

■ 78.6797, 68.1665,
101.3547

■ 79.2571, 68.4142,
103.6357

Harmonies

Analogous

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



34.2542, 43.4135, 10.9647



27.2450, 43.4135, 19.2556



24.1395, 43.4135, 38.9468

Triad

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



27.2450, 43.4135, 19.2556



38.2443, 43.4135, 132.2614



63.4511, 43.4135, 28.9867

Complementary

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



27.2450, 43.4135, 19.2556



36.9276, 24.2707, 53.1917

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.



65.0175, 43.4135, 56.7016



27.2450, 43.4135, 19.2556



49.1685, 43.4135, 125.7396

Square

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



27.2450, 43.4135, 19.2556



29.7331, 43.4135, 109.4754



59.4156, 43.4135, 94.2665



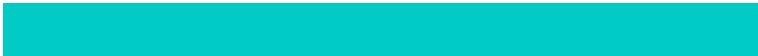
55.4446, 43.4135, 14.6639

Rectangle

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



27.2450, 43.4135, 19.2556



24.2536, 43.4135, 59.7419



59.4156, 43.4135, 94.2665



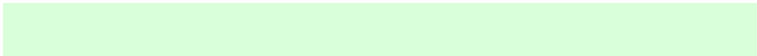
64.7971, 43.4135, 36.6671

Sweetspot

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



27.2461, 43.4153, 19.2566



76.9927, 91.3101, 80.0890



44.2885, 52.2231, 19.0553



16.0010, 19.3139, 16.3758



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



27.2461, 43.4153, 19.2566



43.5395, 75.2319, 25.7735



30.4291, 44.6885, 36.0181



10.5144, 11.8946, 11.3929



13.1685, 26.2798, 4.5660



0.6297, 1.2468, 0.2485

Inverse Universe

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



36.9276, 24.2707, 53.1917



62.8085, 37.0947, 93.2887



32.3105, 22.4239, 28.8784



11.0641, 10.8090, 13.3206



21.2028, 10.2307, 32.6077



1.0098, 0.4868, 1.5747

Previews

White Background



This preview shows how the XYZ color 27.2450, 43.4135, 19.2556 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 27.2450, 43.4135, 19.2556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

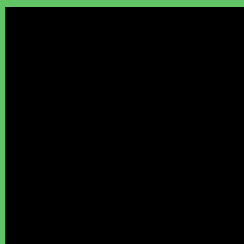
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.2450, 43.4135, 19.2556

Background



This preview shows how black text looks on a background with the XYZ color 27.2450, 43.4135, 19.2556.



This preview shows how white text looks on a background with the XYZ color 27.2450, 43.4135,

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

27.2450, 43.4135, 19.2556

Protanopia

39.2981, 42.7877, 16.5435

Deuteranopia

43.3895, 42.5690, 20.1171



Tritanopia

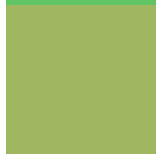
35.7093, 43.2568, 61.7257

Trichromacy



Original Color

27.2450, 43.4135, 19.2556



Protanomaly

33.1454, 41.9806, 17.4225



Deuteranomaly

35.0478, 41.4068, 19.5097



Tritanomaly

31.7605, 42.9230, 42.2083

Monochromacy



Original Color

27.2450, 43.4135, 19.2556



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

28.9985, 36.0543, 28.7233

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2450, 43.4135, 19.2556 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(97, 197, 101)` looks like.

```
.text, #text, p{  
    color:rgb(97, 197, 101)  
}
```

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(97, 197, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 197, 101) }
```

Border

The CSS property to change the border of an element to XYZ 27.2450, 43.4135, 19.2556 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(97, 197, 101) }
```


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

```
.border{ border-color:rgb(97, 197, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 197, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 197, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 197, 101);  
box-shadow:4px 4px 4px 4px rgb(97, 197,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2450, 43.4135, 19.2556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 197, 101) }
```

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

```
.background{ background-color: rgb(97, 197,  
101) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor