

Converting Colors

XYZ(27.4901, 40.6163, 27.8821)

Have a look what the booklet for
XYZ(27.4901, 40.6163, 27.8821)
contains.

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Color

**XYZ(27.5499, 40.7432,
27.8849)**

Conversions

Conversions Part 1

Format	Color
Hex	64BD83
RGB	100, 189, 131
RGB Percent	39%, 74%, 51%
CMY	0.6078, 0.2588, 0.4863
CMYK	0.47, 0.00, 0.31, 0.26
HSL	141°, 40%, 57%
HSV	141°, 47%, 74%
XYZ	27.5499, 40.7432, 27.8849
YIQ	155.7770, -34.4260, -36.9060

Conversions

Conversions Part 2

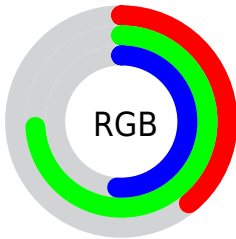
Format	Color
RYB	100, 166, 189
Decimal	6602115
CIELab	70.00, -39.77, 21.26
CIELCh	70, 45.096, 151.873
Yxy	40.7432, 0.2864, 0.4236
Android (android.graphics.Color)	4284792195 (0xFF64BD83)
YUV	155.7770, -12.2151, -48.9164
Hunter-Lab	63.8304, -34.6606, 18.7799

Details

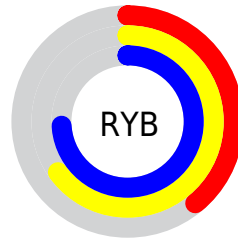
The XYZ color **27.5499, 40.7432, 27.8849** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **31.7164, 22.4028, 35.0020**, and the grayscale version is **31.5651, 33.2090, 36.1646**.

A 20% lighter version of the original color is **55.1251, 76.3408, 57.1773**, and **11.1454, 18.4356, 10.7556** is the 20% darker color. If you saturate the color by 10%, you get **24.9113, 39.4749, 23.6600**, and if you desaturate by 10%, it is **30.7749, 42.3046, 32.6571**.

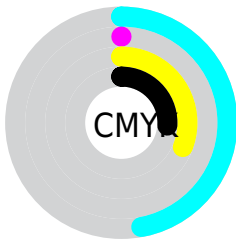
Distribution



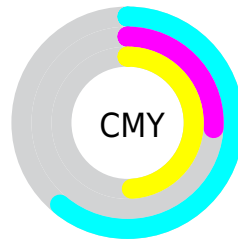
- Red (39%)
- Green (74%)
- Blue (51%)



- Red (39%)
- Yellow (65%)
- Blue (74%)



- Cyan (47%)
- Magenta (0%)
- Yellow (31%)
- Black (26%)





- Cyan (61%)
- Magenta (26%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.5499, 40.7432, 27.8849 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 27.5499, 40.7432, 27.8849 by changing the saturation by 10% instead.


 27.5499, 40.7432,
27.8849


 27.5499, 40.7432,
27.8849


282.4291,
349.2462, 305.8111


 18.1254, 28.1185,
18.0006


 55.1787, 76.2939,
57.3215


 11.1403, 18.4150,
10.7810


 74.1137, 99.9887,
77.7109

 6.2292, 11.2483,
5.8075


 96.9495, 128.1423,
102.4392

 3.0270, 6.2341,
2.6615

 124.0516,
161.1391, 131.9247

 1.1680, 2.9880,
0.9239

155.7852,
199.3635, 166.5861

 0.0809, 1.1255,
0.0000

192.5158,

 0.0000, 0.0000,

243.1999, 206.8420

0.0000

234.6086,
293.0326, 253.1108

■ 27.5499, 40.7432,
27.8849

■ 27.5499, 40.7432,
27.8849

■ 24.9113, 39.4749,
23.6600

■ 30.7749, 42.3046,
32.6571

■ 22.8183, 38.4756,
19.9599

■ 34.6170, 44.1712,
37.9926

■ 21.2299, 37.7259,
16.7643


■ 39.1087, 46.3604,
43.9103


■ 20.0975, 37.2010,
14.0507


■ 44.2792, 48.8870,
50.4272

■ 19.3543, 36.8670,
11.7941


■ 50.1558, 51.7647,
57.5596

 19.1767, 36.7880,
11.2182

 56.7643, 55.0066,
65.3232

 64.1294, 58.6249,
73.7333

 72.2742, 62.6313,
82.8043

 75.4439, 64.0589,
92.2802

Harmonies

Analogous

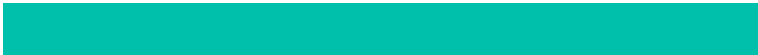
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.7311, 40.7432, 18.1014



27.5499, 40.7432, 27.8849



26.2468, 40.7432, 45.6985

Triad

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



27.5499, 40.7432, 27.8849



39.1889, 40.7432, 98.3645



52.0110, 40.7432, 26.2372

Complementary

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



27.5499, 40.7432, 27.8849



31.7164, 22.4028, 35.0020

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.



54.6390, 40.7432, 43.0527



27.5499, 40.7432, 27.8849



46.6782, 40.7432, 88.3814

Square

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



27.5499, 40.7432, 27.8849



32.4368, 40.7432, 90.4925



52.5753, 40.7432, 66.3124



45.7779, 40.7432, 17.3834

Rectangle

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



27.5499, 40.7432, 27.8849



27.0338, 40.7432, 61.2160



52.5753, 40.7432, 66.3124



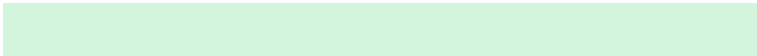
53.3784, 40.7432, 30.9264

Sweetspot

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



27.5510, 40.7449, 27.8858



72.5681, 84.2620, 81.8740



34.8636, 44.7222, 18.8519



15.1938, 17.9192, 17.0807



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



27.5510, 40.7449, 27.8858



44.2702, 70.5317, 41.7937



31.1107, 42.1688, 46.6310



9.5423, 10.7030, 10.8392



12.9351, 24.7643, 7.7211



0.5380, 0.9826, 0.4676

Inverse Universe

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



31.7164, 22.4028, 35.0020



52.6514, 33.5281, 56.0399



28.6296, 21.1680, 18.7470



9.7850, 9.6383, 11.2566



16.5701, 8.2592, 13.5615



0.6789, 0.3354, 0.6881

Previews

White Background



This preview shows how the XYZ color 27.5499, 40.7432, 27.8849 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 27.5499, 40.7432, 27.8849 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 27.5499, 40.7432, 27.8849

Background



This preview shows how black text looks on a background with the XYZ color 27.5499, 40.7432, 27.8849.



This preview shows how white text looks on a background with the XYZ color 27.5499, 40.7432,

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

27.5499, 40.7432, 27.8849

Protanopia

37.4783, 40.2468, 24.5320

Deuteranopia

40.9013, 40.0063, 29.2332



Tritanopia

33.5767, 40.7009, 57.7161

Trichromacy



Original Color

27.5499, 40.7432, 27.8849



Protanomaly

32.6249, 39.7229, 25.6864



Deuteranomaly

34.0260, 38.9357, 28.6437



Tritanomaly

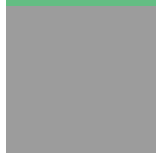
31.0173, 40.5745, 45.2266

Monochromacy



Original Color

27.5499, 40.7432, 27.8849



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

29.4224, 35.3461, 32.8755

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5499, 40.7432, 27.8849 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(100, 189, 131)` looks like.

```
.text, #text, p{  
    color:rgb(100, 189, 131)  
}
```

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(100, 189, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 189, 131) }
```

Border

The CSS property to change the border of an element to XYZ 27.5499, 40.7432, 27.8849 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(100, 189, 131) }
```


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

```
.border{ border-color:rgb(100, 189, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 189, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 189, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 189, 131);  
box-shadow:4px 4px 4px 4px rgb(100, 189,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 27.5499, 40.7432, 27.8849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 189, 131) }
```

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

```
.background{ background-color: rgb(100,  
189, 131) }
```

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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