

Converting Colors

XYZ(27.8623, 40.9008, 27.4347)

Have a look what the booklet for
XYZ(27.8623, 40.9008, 27.4347)
contains.

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Color

**XYZ(27.9358, 40.9500,
27.5509)**

Conversions

Conversions Part 1

Format	Color
Hex	68BD82
RGB	104, 189, 130
RGB Percent	41%, 74%, 51%
CMY	0.5922, 0.2588, 0.4902
CMYK	0.45, 0.00, 0.31, 0.26
HSL	138°, 39%, 57%
HSV	138°, 45%, 74%
XYZ	27.9358, 40.9500, 27.5509
YIQ	156.8590, -31.7210, -36.3690

Conversions

Conversions Part 2

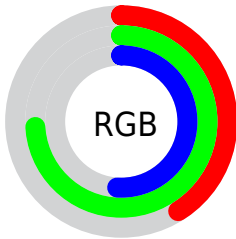
Format	Color
RYB	104, 169, 189
Decimal	6864258
CIELab	70.14, -38.86, 22.02
CIELCh	70, 44.664, 150.462
Yxy	40.9500, 0.2897, 0.4246
Android (android.graphics.Color)	4285054338 (0xFF68BD82)
YUV	156.8590, -13.2415, -46.3573
Hunter-Lab	63.9922, -34.0621, 19.2681

Details

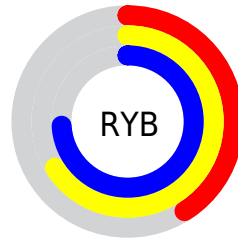
The XYZ color **27.9358, 40.9500, 27.5509** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **32.5488, 23.3646, 37.4461**, and the grayscale version is **32.0532, 33.7224, 36.7237**.

A 20% lighter version of the original color is **55.8011, 76.7014, 56.6636**, and **11.3309, 18.5355, 10.5699** is the 20% darker color. If you saturate the color by 10%, you get **25.1579, 39.6144, 23.1139**, and if you desaturate by 10%, it is **31.3198, 42.5873, 32.6042**.

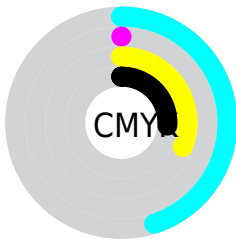
Distribution



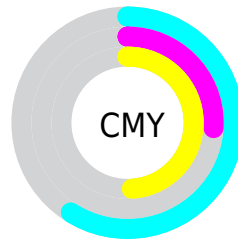
- Red (41%)
- Green (74%)
- Blue (51%)



- Red (41%)
- Yellow (66%)
- Blue (74%)



- Cyan (45%)
- Magenta (0%)
- Yellow (31%)
- Black (26%)





- Cyan (59%)
- Magenta (26%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.9358, 40.9500, 27.5509 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 27.9358, 40.9500, 27.5509 by changing the saturation by 10% instead.


 27.9358, 40.9500,
27.5509


 27.9358, 40.9500,
27.5509


284.2457,
350.1116, 304.1588


 18.4175, 28.2800,
17.7513


 55.7913, 76.6080,
56.7811


 11.3516, 18.5368,
10.6040


 74.8592, 100.3648,
77.0487

 6.3729, 11.3361,
5.6904


 97.8409, 128.5860,
101.6428

 3.1159, 6.2934,
2.5920

 125.1020,
161.6559, 130.9819

 1.2154, 3.0243,
0.8883

157.0076,
199.9591, 165.4845

 0.1184, 1.1444,
0.0000

193.9232,

 0.0000, 0.0156,

243.8798, 205.5692

0.0000

236.2141,
293.8025, 251.6544

■ 0.0000, 0.0000,
0.0000

■ 27.9358, 40.9500,
27.5509

■ 27.9358, 40.9500,
27.5509

■ 25.1579, 39.6144,
23.1139

■ 31.3198, 42.5873,
32.6042

■ 22.9454, 38.5567,
19.2667

■ 35.3409, 44.5385,
38.2934

■ 21.2576, 37.7575,
15.9849


■ 40.0317, 46.8211,
44.6407


■ 20.0465, 37.1926,
13.2412


■ 45.4215, 49.4497,
51.6664


■ 19.2543, 36.8329,
11.0060


■ 51.5380, 52.4383,
59.3899

 18.9574, 36.7004,
10.0628

 58.4073, 55.7999,
67.8298

 66.0543, 59.5469,
77.0041

 74.4273, 63.6523,
86.9264

 76.3931, 64.4387,
97.2786

Harmonies

Analogous

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



32.2264, 40.9500, 18.1253



27.9358, 40.9500, 27.5509



26.4981, 40.9500, 44.9127

Triad

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



27.9358, 40.9500, 27.5509



39.0351, 40.9500, 98.1214



52.3275, 40.9500, 27.1454

Complementary

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



27.9358, 40.9500, 27.5509



32.5488, 23.3646, 37.4461

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.



54.7243, 40.9500, 44.2641



27.9358, 40.9500, 27.5509



46.4856, 40.9500, 89.0258

Square

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



27.9358, 40.9500, 27.5509



32.3997, 40.9500, 89.5410



52.4656, 40.9500, 67.5047



46.2651, 40.9500, 17.9480

Rectangle

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



27.9358, 40.9500, 27.5509



27.1895, 40.9500, 60.1802



52.4656, 40.9500, 67.5047



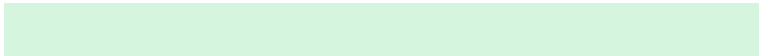
53.6202, 40.9500, 31.9517

Sweetspot

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



27.9369, 40.9517, 27.5518



73.3058, 84.6385, 82.0807



35.9046, 45.2360, 19.9361



15.3311, 17.9902, 17.0778



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.



27.9369, 40.9517, 27.5518



45.1050, 70.9700, 41.4769



31.3542, 42.3186, 45.5471



9.5257, 10.6964, 10.7519



12.7849, 24.7042, 6.9300



0.5309, 0.9797, 0.4299

Inverse Universe

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



32.5488, 23.3646, 37.4461



54.3909, 35.4767, 61.3375



29.3889, 22.1007, 20.8066



9.8023, 9.6452, 11.3479



16.9206, 8.3994, 15.4072



0.6907, 0.3402, 0.7504

Previews

White Background



This preview shows how the XYZ color 27.9358, 40.9500, 27.5509 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 27.9358, 40.9500, 27.5509 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 27.9358, 40.9500, 27.5509

Background



This preview shows how black text looks on a background with the XYZ color 27.9358, 40.9500, 27.5509.

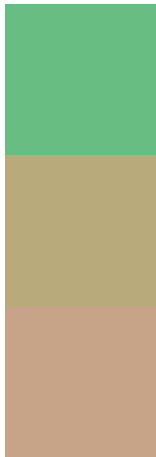


This preview shows how white text looks on a background with the XYZ color 27.9358, 40.9500,

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

27.9358, 40.9500, 27.5509

Protanopia

37.6547, 40.3449, 24.2151

Deuteranopia

41.2726, 40.4706, 28.9289



Tritanopia

33.9819, 40.9098, 57.7351

Trichromacy



Original Color

27.9358, 40.9500, 27.5509



Protanomaly

32.9414, 39.8935, 25.3661



Deuteranomaly

34.5565, 39.5009, 28.3574



Tritanomaly

31.4306, 40.7987, 44.7464

Monochromacy



Original Color

27.9358, 40.9500, 27.5509



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

29.9357, 35.8858, 32.9526

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9358, 40.9500, 27.5509 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(104, 189, 130)` looks like.

```
.text, #text, p{  
    color:rgb(104, 189, 130)  
}
```

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(104, 189, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 189, 130) }
```

Border

The CSS property to change the border of an element to XYZ 27.9358, 40.9500, 27.5509 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(104, 189, 130) }
```


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

```
.border{ border-color:rgb(104, 189, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 189, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 189, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 189, 130);  
box-shadow:4px 4px 4px 4px rgb(104, 189,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9358, 40.9500, 27.5509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 189, 130) }
```

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

```
.background{ background-color: rgb(104,  
189, 130) }
```

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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