

Converting Colors

XYZ(27.1820, 33.2309, 27.1719)

Have a look what the booklet for
XYZ(27.1820, 33.2309, 27.1719)
contains.

XYZ(27.1820, 33.2309, 27.1719)	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(27.1820, 33.2309,
27.1719)**

Conversions

Conversions Part 1

Format	Color
Hex	85A485
RGB	133, 164, 133
RGB Percent	52%, 64%, 52%
CMY	0.4784, 0.3568, 0.4784
CMYK	0.19, 0.00, 0.19, 0.36
HSL	120°, 15%, 58%
HSV	120°, 19%, 64%
XYZ	27.1820, 33.2309, 27.1719
YIQ	151.1970, -8.5250, -16.2130

Conversions

Conversions Part 2

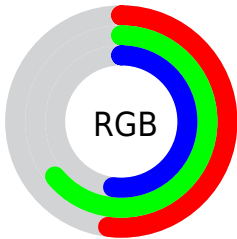
Format	Color
RYB	133, 164, 164
Decimal	8758405
CIELab	64.35, -16.90, 12.61
CIElCh	64, 21.092, 143.271
Yxy	33.2309, 0.3104, 0.3794
Android (android.graphics.Color)	4286948485 (0xFF85A485)
YUV	151.1970, -8.9711, -15.9588
Hunter-Lab	57.6462, -16.7126, 12.4057

Details

The XYZ color **27.1820, 33.2309, 27.1719** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **30.3994, 27.3487, 38.8001**, and the grayscale version is **29.5403, 31.0787, 33.8448**.

A 20% lighter version of the original color is **54.6880, 64.7730, 56.0745**, and **10.9228, 14.0519, 10.3202** is the 20% darker color. If you saturate the color by 10%, you get **23.7462, 31.5815, 21.5512**, and if you desaturate by 10%, it is **31.2009, 35.1624, 33.7448**.

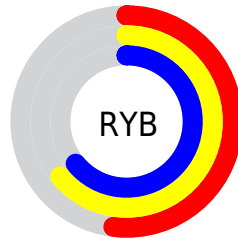
Distribution



Red (52%)

Green (64%)

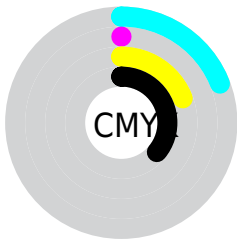
Blue (52%)



Red (52%)

Yellow (64%)

Blue (64%)

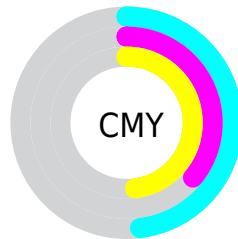


Cyan (19%)

Magenta (0%)

Yellow (19%)

Black (36%)



Cyan (48%)

Magenta (36%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.1820, 33.2309, 27.1719 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 27.1820, 33.2309, 27.1719 by changing the saturation by 10% instead.

■ 27.1820, 33.2309,
27.1719

■ 27.1820, 33.2309,
27.1719

280.6888,
316.6889, 302.2749

■ 17.8473, 22.3034,
17.4688

■ 54.5936, 64.7359,
56.1667

■ 10.9394, 14.0800,
10.4038

■ 73.4012, 86.0821,
76.2954

■ 6.0931, 8.1763,
5.5584

■ 96.0971, 111.6700,
100.7365

■ 2.9430, 4.2080,
2.5141

123.0466,
141.8840, 129.9083

■ 1.1237, 1.7906,
0.8476

154.6152,
177.1085, 164.2296

■ 0.0448, 0.4813,
0.0000

191.1682,

■ 0.0000, 0.0000,

217.7279, 204.1187

0.0000

233.0709,
264.1266, 249.9943

■ 27.1820, 33.2309,
27.1719

■ 27.1820, 33.2309,
27.1719

■ 23.7462, 31.5815,
21.5512

■ 31.2009, 35.1624,
33.7448

■ 20.8638, 30.1969,
16.8366

■ 35.8253, 37.3837,
41.3088

■ 18.5068, 29.0648,
12.9813

■ 41.0797, 39.9077,
49.9034

■ 16.6435, 28.1697,
9.9335

■ 46.9867, 42.7451,
59.5653

■ 15.2389, 27.4950,
7.6359

■ 53.5674, 45.9061,
70.3292

■ 14.2532, 27.0215,
6.0236

■ 60.8422, 49.4006,
82.2285

■ 13.6401, 26.7270,
5.0208

■ 68.8306, 53.2379,
95.2950

■ 13.3085, 26.5677,
4.4783

■ 72.5661, 55.0322,
101.4054

■ 13.2761, 26.5522,
4.4254

Harmonies

Analogous

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



29.3595, 33.2309, 23.0250



27.1820, 33.2309, 27.1719



26.1937, 33.2309, 34.2807

Triad

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



27.1820, 33.2309, 27.1719



30.9136, 33.2309, 55.2025



37.1883, 33.2309, 30.0382

Complementary

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



27.1820, 33.2309, 27.1719



30.3994, 27.3487, 38.8001

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.



37.6695, 33.2309, 38.1540



27.1820, 33.2309, 27.1719



33.9202, 33.2309, 53.5875

Square

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



27.1820, 33.2309, 27.1719



28.2581, 33.2309, 51.1107



36.4395, 33.2309, 46.9935



35.1632, 33.2309, 24.4876

Rectangle

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



27.1820, 33.2309, 27.1719



26.2947, 33.2309, 40.1108



36.4395, 33.2309, 46.9935



37.5410, 33.2309, 32.5200

Sweetspot

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



27.1829, 33.2323, 27.1726



58.8619, 64.8937, 64.8967



32.8204, 36.1385, 27.4364



12.7609, 14.1354, 14.0119



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



27.1829, 33.2323, 27.1726



46.3861, 58.9009, 44.4902



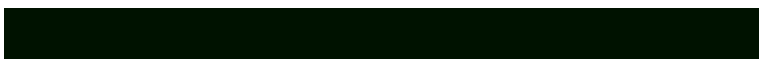
28.3343, 33.6929, 33.2359



6.9856, 7.8950, 7.5358



10.1790, 20.3579, 3.3930



0.2139, 0.4278, 0.0713

Inverse Universe

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



30.3994, 27.3487, 38.8001



53.3963, 46.0780, 69.8317



29.0834, 26.8224, 31.8703



7.3644, 7.2022, 8.9051



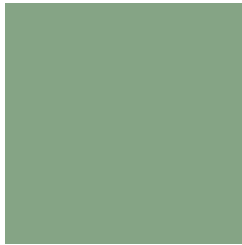
16.8766, 8.1067, 27.6046



0.3546, 0.1703, 0.5800

Previews

White Background



This preview shows how the XYZ color 27.1820, 33.2309, 27.1719 looks on a white background.

Color Contrast Check

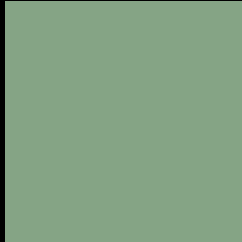
Large Text (above 18pt) WCAG AA × Fail

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 27.1820, 33.2309, 27.1719 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

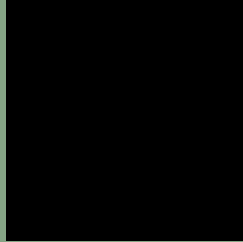
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.1820, 33.2309, 27.1719

Background



This preview shows how black text looks on a background with the XYZ color 27.1820, 33.2309, 27.1719.



This preview shows how white text looks on a background with the XYZ color 27.1820, 33.2309,

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

27.1820, 33.2309, 27.1719

Protanopia

30.9936, 32.9202, 25.4896

Deuteranopia

33.7104, 33.0552, 27.8961



Tritanopia

30.5640, 33.3120, 43.3470

Trichromacy



Original Color

27.1820, 33.2309, 27.1719

Protanomaly

29.3930, 32.8377, 25.9082

Deuteranomaly

30.9948, 32.8733, 27.6333

Tritanomaly

29.1472, 33.2424, 36.7785

Monochromacy



Original Color

27.1820, 33.2309, 27.1719

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

28.4241, 31.7198, 31.0100

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.1820, 33.2309, 27.1719 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(133, 164, 133)` looks like.

```
.text, #text, p{  
    color:rgb(133, 164, 133)  
}
```

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(133, 164, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 164, 133) }
```

Border

The CSS property to change the border of an element to XYZ 27.1820, 33.2309, 27.1719 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(133, 164, 133) }
```


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

```
.border{ border-color:rgb(133, 164, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 164, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 164, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 164, 133);  
box-shadow:4px 4px 4px 4px rgb(133, 164,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 27.1820, 33.2309, 27.1719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 164, 133) }
```

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

```
.background{ background-color: rgb(133,  
164, 133) }
```

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