

Converting Colors

XYZ(27.3579, 31.5983, 33.3475)

Have a look what the booklet for
XYZ(27.3579, 31.5983, 33.3475)
contains.

XYZ(27.4047, 31.6423, 33.5173)	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(27.4047, 31.6423,
33.5173)**

Conversions

Conversions Part 1

Format	Color
Hex	859E96
RGB	133, 158, 150
RGB Percent	52%, 62%, 59%
CMY	0.4784, 0.3804, 0.4118
CMYK	0.16, 0.00, 0.05, 0.38
HSL	161°, 11%, 57%
HSV	161°, 16%, 62%
XYZ	27.4047, 31.6423, 33.5173
YIQ	149.6130, -12.3320, -7.7880

Conversions

Conversions Part 2

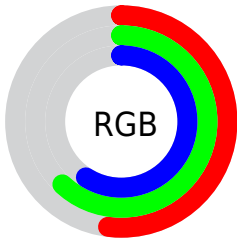
Format	Color
RYB	133, 148, 158
Decimal	8756886
CIELab	63.05, -10.40, 1.25
CIElCh	63, 10.472, 173.171
Yxy	31.6423, 0.2961, 0.3418
Android (android.graphics.Color)	4286946966 (0xFF859E96)
YUV	149.6130, 0.1908, -14.5696
Hunter-Lab	56.2515, -11.4782, 4.0483

Details

The XYZ color **27.4047, 31.6423, 33.5173** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **27.2969, 25.9680, 28.7743**, and the grayscale version is **28.8292, 30.3306, 33.0300**.

A 20% lighter version of the original color is **54.9430, 62.3872, 66.2729**, and **11.0771, 13.2552, 13.7791** is the 20% darker color. If you saturate the color by 10%, you get **24.6971, 30.2934, 31.3109**, and if you desaturate by 10%, it is **30.5070, 33.1944, 35.8353**.

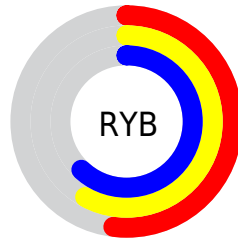
Distribution



Red (52%)

Green (62%)

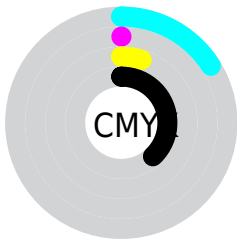
Blue (59%)



Red (52%)

Yellow (58%)

Blue (62%)

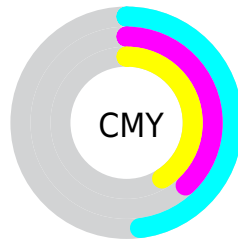


Cyan (16%)

Magenta (0%)

Yellow (5%)

Black (38%)



Cyan (48%)

Magenta (38%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.4047, 31.6423, 33.5173 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 27.4047, 31.6423, 33.5173 by changing the saturation by 10% instead.

■ 27.4047, 31.6423,
33.5173

■ 27.4047, 31.6423,
33.5173

281.7433,
309.4866, 332.6775

■ 18.0156, 21.0884,
22.2487

■ 54.9479, 62.2499,
66.3076

■ 11.0609, 13.1887,
13.8397

■ 73.8327, 83.0724,
88.6664

■ 6.1754, 7.5586,
7.8718

■ 96.6134, 108.0866,
115.5589

■ 2.9937, 3.8138,
3.9264

123.6554,
137.6769, 147.4038

■ 1.1504, 1.5700,
1.5851

155.3240,
172.2276, 184.6196

■ 0.0667, 0.3372,
0.2801

191.9846,

■ 0.0000, 0.0000,

212.1232, 227.6248

0.0000

234.0026,
257.7481, 276.8379

■ 27.4047, 31.6423,
33.5173

■ 27.4047, 31.6423,
33.5173

■ 24.6971, 30.2934,
31.3109

■ 30.5070, 33.1944,
35.8353

■ 22.3645, 29.1349,
29.2120

■ 34.0171, 34.9537,
38.2645

■ 20.3897, 28.1589,
27.2193

■ 37.9509, 36.9295,
40.8076

■ 18.7528, 27.3552,
25.3307

■ 42.3226, 39.1289,
43.4663

■ 17.4322, 26.7126,
23.5440

■ 47.1457, 41.5589,
46.2422

■ 16.4036, 26.2186,
21.8568

■ 52.4333, 44.2261,
49.1371

■ 15.6388, 25.8587,
20.2664

■ 58.1977, 47.1370,
52.1524

■ 15.0997, 25.6134,
18.7699

■ 62.8120, 49.4528,
55.2132

■ 14.9041, 25.5256,
18.1707

■ 63.3763, 49.6785,
58.1847

Harmonies

Analogous

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



27.9095, 31.6423, 29.9082



27.4047, 31.6423, 33.5173



27.5969, 31.6423, 37.6736

Triad

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



27.4047, 31.6423, 33.5173



31.1795, 31.6423, 42.2826



31.7682, 31.6423, 28.4789

Complementary

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



27.4047, 31.6423, 33.5173



27.2969, 25.9680, 28.7743

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.



32.6973, 31.6423, 31.4215



27.4047, 31.6423, 33.5173



32.3499, 31.6423, 39.4366

Square

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



27.4047, 31.6423, 33.5173



29.7465, 31.6423, 42.9560



32.9135, 31.6423, 35.4061



30.4060, 31.6423, 27.1535

Rectangle

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



27.4047, 31.6423, 33.5173



28.0975, 31.6423, 40.1777



32.9135, 31.6423, 35.4061



32.1433, 31.6423, 29.2998

Sweetspot

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



27.4056, 31.6436, 33.5180



55.8355, 60.4970, 65.3870



27.5028, 31.8406, 26.8869



12.4981, 13.5939, 14.6770



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



27.4056, 31.6436, 33.5180



47.9413, 56.5513, 59.4212



27.3735, 30.5126, 36.7962



6.7314, 7.4733, 8.0203



11.9545, 20.4497, 14.6494



0.2321, 0.3730, 0.3585

Inverse Universe

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



27.2969, 25.9680, 28.7743



47.7059, 44.2400, 49.1335



27.3045, 26.9021, 25.9441



6.7162, 6.6794, 7.3566



11.7805, 6.0167, 3.0949



0.2288, 0.1148, 0.1507

Previews

White Background



This preview shows how the XYZ color 27.4047, 31.6423, 33.5173 looks on a white background.

Color Contrast Check

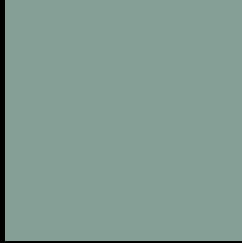
Large Text (above 18pt) WCAG AA × Fail

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 27.4047, 31.6423, 33.5173 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

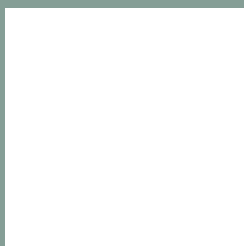
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.4047, 31.6423, 33.5173

Background



This preview shows how black text looks on a background with the XYZ color 27.4047, 31.6423, 33.5173.

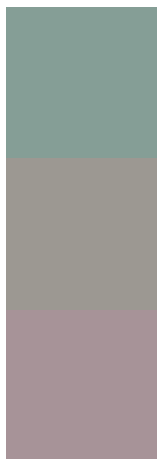


This preview shows how white text looks on a background with the XYZ color 27.4047, 31.6423,

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

27.4047, 31.6423, 33.5173

Protanopia

30.1268, 31.5997, 31.7056

Deuteranopia

32.0376, 31.3499, 34.0683



Tritanopia

28.9426, 31.5041, 41.6012

Trichromacy



Original Color

27.4047, 31.6423, 33.5173

Protanomaly

29.0348, 31.5137, 32.1562

Deuteranomaly

30.1701, 31.3361, 33.7365

Tritanomaly

28.3132, 31.5010, 38.3063

Monochromacy



Original Color

27.4047, 31.6423, 33.5173

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.3979, 30.9138, 33.3244

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.4047, 31.6423, 33.5173 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, 158, 150)` looks like.

```
.text, #text, p{  
    color:rgb(133, 158, 150)  
}
```

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, 158, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 158, 150) }
```

Border

The CSS property to change the border of an element to XYZ 27.4047, 31.6423, 33.5173 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, 158, 150) }
```


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

```
.border{ border-color:rgb(133, 158, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 158, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 158, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 158, 150);  
box-shadow:4px 4px 4px 4px rgb(133, 158,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 27.4047, 31.6423, 33.5173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 158, 150) }
```

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

```
.background{ background-color: rgb(133,  
158, 150) }
```

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