

Converting Colors

XYZ(27.0932, 35.1560, 31.5160)

Have a look what the booklet for
XYZ(27.0932, 35.1560, 31.5160)
contains.

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Color

**XYZ(27.1817, 35.3398,
31.3752)**

Conversions

Conversions Part 1

Format	Color
Hex	76AC8F
RGB	118, 172, 143
RGB Percent	46%, 67%, 56%
CMY	0.5372, 0.3255, 0.4392
CMYK	0.31, 0.00, 0.17, 0.33
HSL	148°, 25%, 57%
HSV	148°, 31%, 67%
XYZ	27.1817, 35.3398, 31.3752
YIQ	152.5480, -22.8750, -20.4670

Conversions

Conversions Part 2

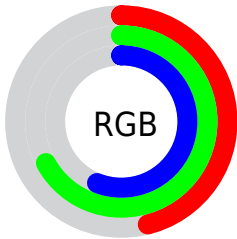
Format	Color
RYB	118, 155, 172
Decimal	7777423
CIELab	66.01, -24.08, 9.30
CIELCh	66, 25.815, 158.885
Yxy	35.3398, 0.2895, 0.3764
Android (android.graphics.Color)	4285967503 (0xFF76AC8F)
YUV	152.5480, -4.7072, -30.2986
Hunter-Lab	59.4473, -22.4153, 10.3209

Details

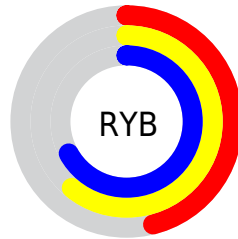
The XYZ color **27.1817, 35.3398, 31.3752** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **28.7594, 23.8350, 30.6902**, and the grayscale version is **30.1097, 31.6777, 34.4970**.

A 20% lighter version of the original color is **54.8347, 68.2887, 63.1143**, and **10.8873, 15.1773, 12.7116** is the 20% darker color. If you saturate the color by 10%, you get **24.3844, 33.9763, 27.7408**, and if you desaturate by 10%, it is **30.4645, 36.9489, 35.3347**.

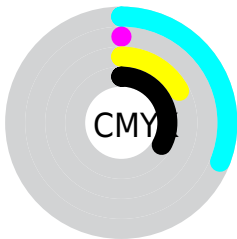
Distribution



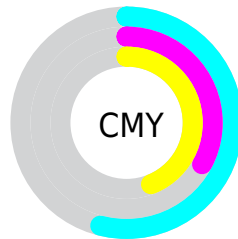
- Red (46%)
- Green (67%)
- Blue (56%)



- Red (46%)
- Yellow (61%)
- Blue (67%)



- Cyan (31%)
- Magenta (0%)
- Yellow (17%)
- Black (33%)





- Cyan (54%)
- Magenta (33%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.1817, 35.3398, 31.3752 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 27.1817, 35.3398, 31.3752 by changing the saturation by 10% instead.


 27.1817, 35.3398,
31.3752


 27.1817, 35.3398,
31.3752


280.6873,
326.0657, 322.6677


 17.8470, 23.9247,
20.6239


 54.5931, 68.0118,
62.9168

 10.9392, 15.2778,
12.6608


 73.4006, 90.0376,
84.5441

 6.0930, 9.0146,
7.0674


 96.0964, 116.3691,
110.6339

 2.9429, 4.7507,
3.4252

123.0458,
147.3906, 141.6046

 1.1236, 2.1017,
1.3156

154.6143,
183.4867, 177.8748

 0.0448, 0.6656,
0.0746

191.1671,

 0.0000, 0.0000,

225.0416, 219.8630

0.0000

233.0697,
272.4398, 267.9878

■ 27.1817, 35.3398,
31.3752

■ 27.1817, 35.3398,
31.3752

■ 24.3844, 33.9763,
27.7408

■ 30.4645, 36.9489,
35.3347

■ 22.0452, 32.8414,
24.4208

■ 34.2527, 38.8107,
39.6249

■ 20.1382, 31.9231,
21.4072

■ 38.5685, 40.9376,
44.2544

■ 18.6337, 31.2060,
18.6908

■ 43.4319, 43.3397,
49.2306

■ 17.4978, 30.6730,
16.2619

■ 48.8619, 46.0266,
54.5607

■ 16.6909, 30.3038,
14.1101

■ 54.8765, 49.0075,
60.2518

■ 16.1874, 30.0801,
12.4703

■ 61.4929, 52.2911,
66.3106

■ 68.5049, 55.7710,
72.7333

■ 69.7399, 56.2650,
79.2367

Harmonies

Analogous

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



29.1784, 35.3398, 24.2948



27.1817, 35.3398, 31.3752



26.8308, 35.3398, 41.8267

Triad

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



27.1817, 35.3398, 31.3752



34.7388, 35.3398, 63.2830



39.6494, 35.3398, 26.7073

Complementary

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



27.1817, 35.3398, 31.3752



28.7594, 23.8350, 30.6902

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.



41.3972, 35.3398, 35.3149



27.1817, 35.3398, 31.3752



38.4240, 35.3398, 57.3260

Square

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



27.1817, 35.3398, 31.3752



31.0076, 35.3398, 61.6776



40.9325, 35.3398, 46.5815



36.3108, 35.3398, 21.9771

Rectangle

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



27.1817, 35.3398, 31.3752



27.5493, 35.3398, 49.5836



40.9325, 35.3398, 46.5815



40.4536, 35.3398, 29.1701

Sweetspot

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



27.1827, 35.3413, 31.3760



63.8017, 71.2250, 73.7049



30.1823, 37.0826, 22.7070



13.6354, 15.3655, 15.7663



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



27.1827, 35.3413, 31.3760



45.5288, 62.2652, 52.0568



29.4146, 36.2340, 43.1292



8.0530, 8.9987, 9.3039



12.0727, 22.3944, 9.4227



0.3637, 0.6341, 0.4086

Inverse Universe

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



28.7594, 23.8350, 30.6902



48.8647, 37.9132, 50.5995



26.9256, 23.1015, 21.0333



8.1783, 8.0846, 9.2497



14.1384, 7.1179, 8.3742



0.4206, 0.2089, 0.3765

Previews

White Background



This preview shows how the XYZ color 27.1817, 35.3398, 31.3752 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 27.1817, 35.3398, 31.3752 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 27.1817, 35.3398, 31.3752

Background



This preview shows how black text looks on a background with the XYZ color 27.1817, 35.3398, 31.3752.

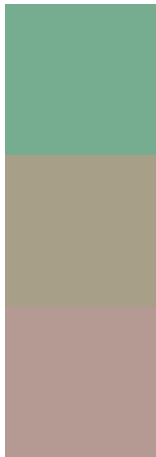


This preview shows how white text looks on a background with the XYZ color 27.1817, 35.3398,

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

27.1817, 35.3398, 31.3752

Protanopia

33.0619, 34.9272, 28.6660

Deuteranopia

35.6445, 34.9211, 32.4655



Tritanopia

30.6611, 35.3683, 48.3908

Trichromacy



Original Color

27.1817, 35.3398, 31.3752

Protanomaly

30.5133, 34.8990, 29.5541

Deuteranomaly

31.8378, 34.7332, 32.2203

Tritanomaly

29.3314, 35.3769, 41.8417

Monochromacy



Original Color

27.1817, 35.3398, 31.3752

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

28.8108, 32.8870, 33.2631

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.1817, 35.3398, 31.3752 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(118, 172, 143)` looks like.

```
.text, #text, p{  
    color:rgb(118, 172, 143)  
}
```

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(118, 172, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 172, 143) }
```

Border

The CSS property to change the border of an element to XYZ 27.1817, 35.3398, 31.3752 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(118, 172, 143) }
```


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

```
.border{ border-color:rgb(118, 172, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 172, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 172, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 172, 143);  
box-shadow:4px 4px 4px 4px rgb(118, 172,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 27.1817, 35.3398, 31.3752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 172, 143) }
```

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

```
.background{ background-color: rgb(118,  
172, 143) }
```

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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