

Converting Colors

XYZ(27.9266, 34.0422, 36.8189)

Have a look what the booklet for
XYZ(27.9266, 34.0422, 36.8189)
contains.

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Color

**XYZ(27.8904, 33.9177,
36.9751)**

Conversions

Conversions Part 1

Format	Color
Hex	7BA69D
RGB	123, 166, 157
RGB Percent	48%, 65%, 62%
CMY	0.5176, 0.3490, 0.3843
CMYK	0.26, 0.00, 0.05, 0.35
HSL	167°, 19%, 57%
HSV	167°, 26%, 65%
XYZ	27.8904, 33.9177, 36.9751
YIQ	152.1170, -22.7390, -11.9150

Conversions

Conversions Part 2

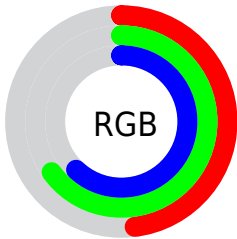
Format	Color
RYB	123, 147, 166
Decimal	8103581
CIELab	64.90, -16.44, -0.06
CIElCh	65, 16.437, 180.195
Yxy	33.9177, 0.2823, 0.3434
Android (android.graphics.Color)	4286293661 (0xFF7BA69D)
YUV	152.1170, 2.4073, -25.5356
Hunter-Lab	58.2389, -16.4351, 3.1248

Details

The XYZ color **27.8904, 33.9177, 36.9751** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **26.9749, 23.9398, 25.0303**, and the grayscale version is **29.8932, 31.4500, 34.2491**.

A 20% lighter version of the original color is **55.5188, 65.6462, 71.3728**, and **11.3665, 14.4917, 15.8338** is the 20% darker color. If you saturate the color by 10%, you get **25.4218, 32.6798, 35.3333**, and if you desaturate by 10%, it is **30.7720, 35.3694, 38.6818**.

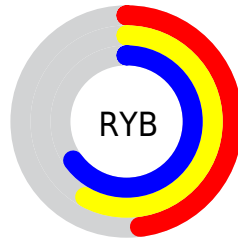
Distribution



Red (48%)

Green (65%)

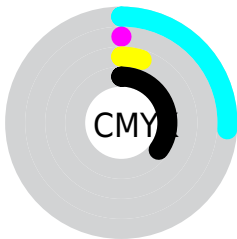
Blue (62%)



Red (48%)

Yellow (58%)

Blue (65%)

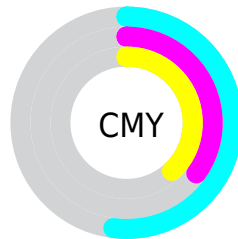


Cyan (26%)

Magenta (0%)

Yellow (5%)

Black (35%)



Cyan (52%)

Magenta (35%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8904, 33.9177, 36.9751 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 27.8904, 33.9177, 36.9751 by changing the saturation by 10% instead.

■ 27.8904, 33.9177,
36.9751

■ 27.8904, 33.9177,
36.9751

284.0324,
319.7649, 348.3682

■ 18.3831, 22.8304,
24.8926

■ 55.7193, 65.8057,
71.7204

■ 11.3267, 14.4683,
15.7787

■ 74.7716, 87.3751,
95.2202

■ 6.3560, 8.4471,
9.2151

■ 97.7362, 113.2074,
123.3629

■ 3.1054, 4.3823,
4.7830

124.9786,
143.6869, 156.5670

■ 1.2098, 1.8897,
2.0640

156.8640,
179.1980, 195.2511

■ 0.1140, 0.5421,
0.5942

193.7579,

■ 0.0000, 0.0000,

220.1251, 239.8336

0.0000

236.0256,
266.8526, 290.7331

■ 27.8904, 33.9177,
36.9751

■ 27.8904, 33.9177,
36.9751

■ 25.4218, 32.6798,
35.3333

■ 30.7720, 35.3694,
38.6818

■ 23.3431, 31.6410,
33.7527

■ 34.0828, 37.0404,
40.4522

■ 21.6329, 30.7913,
32.2327

■ 37.8414, 38.9412,
42.2883

■ 20.2670, 30.1180,
30.7718

■ 42.0646, 41.0806,
44.1914

■ 19.2179, 29.6072,
29.3683

■ 46.7682, 43.4667,
46.1623

■ 18.4540, 29.2424,
28.0203

■ 51.9673, 46.1072,
48.2023

■ 17.9332, 29.0020,
26.7256

■ 57.6765, 49.0096,
50.3123

■ 17.7506, 28.9192,
26.2087

■ 63.6129, 52.0281,
52.4793

■ 63.9839, 52.1765,
54.4328

Harmonies

Analogous

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



28.4415, 33.9177, 30.8137



27.8904, 33.9177, 36.9751



28.4558, 33.9177, 43.8942

Triad

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



27.8904, 33.9177, 36.9751



34.5854, 33.9177, 49.4039



34.5573, 33.9177, 26.7203

Complementary

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



27.8904, 33.9177, 36.9751



26.9749, 23.9398, 25.0303

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.



36.3408, 33.9177, 30.7455



27.8904, 33.9177, 36.9751



36.3576, 33.9177, 43.8078

Square

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



27.8904, 33.9177, 36.9751



32.2533, 33.9177, 51.5859



37.0149, 33.9177, 36.8862



32.2222, 33.9177, 25.3525

Rectangle

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



27.8904, 33.9177, 36.9751



29.4064, 33.9177, 47.8964



37.0149, 33.9177, 36.8862



35.2452, 33.9177, 27.7810

Sweetspot

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



27.8914, 33.9191, 36.9759



60.4361, 66.5054, 72.6822



26.7777, 33.6350, 23.8204



13.3220, 14.7804, 16.1587



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



27.8914, 33.9191, 36.9759



47.9867, 60.2358, 65.4000



26.5777, 30.0161, 40.4709



7.6793, 8.5048, 9.2972



13.7815, 22.4314, 20.4139



0.3518, 0.5523, 0.5834

Inverse Universe

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



26.9749, 23.9398, 25.0303



46.0438, 39.0519, 40.0551



27.9917, 26.9172, 22.4597



7.5930, 7.5671, 8.1739



12.4415, 6.3853, 1.8704



0.3201, 0.1623, 0.1371

Previews

White Background



This preview shows how the XYZ color 27.8904, 33.9177, 36.9751 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 27.8904, 33.9177, 36.9751 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

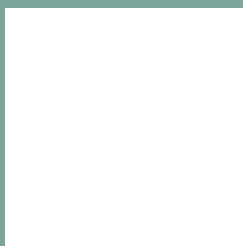
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.8904, 33.9177, 36.9751

Background



This preview shows how black text looks on a background with the XYZ color 27.8904, 33.9177, 36.9751.

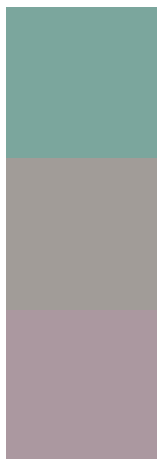


This preview shows how white text looks on a background with the XYZ color 27.8904, 33.9177,

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

27.8904, 33.9177, 36.9751

Protanopia

32.2539, 33.6210, 34.4953

Deuteranopia

34.3680, 33.6525, 37.9419



Tritanopia

29.6861, 33.8410, 46.0416

Trichromacy



Original Color

27.8904, 33.9177, 36.9751

Protanomaly

30.4362, 33.6777, 35.4681

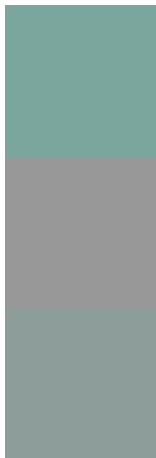
Deuteranomaly

31.6414, 33.4872, 37.5969

Tritanomaly

29.0411, 33.8511, 42.5394

Monochromacy



Original Color

27.8904, 33.9177, 36.9751

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

28.8742, 32.1098, 35.2478

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8904, 33.9177, 36.9751 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(123, 166, 157)` looks like.

```
.text, #text, p{  
    color:rgb(123, 166, 157)  
}
```

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(123, 166, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 166, 157) }
```

Border

The CSS property to change the border of an element to XYZ 27.8904, 33.9177, 36.9751 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(123, 166, 157) }
```


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

```
.border{ border-color:rgb(123, 166, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 166, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 166, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 166, 157);  
box-shadow:4px 4px 4px 4px rgb(123, 166,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8904, 33.9177, 36.9751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 166, 157) }
```

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

```
.background{ background-color: rgb(123,  
166, 157) }
```

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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