

Converting Colors

XYZ(27.8594, 32.4930, 34.1549)

Have a look what the booklet for
XYZ(27.8594, 32.4930, 34.1549)
contains.

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Color

**XYZ(27.8296, 32.3625,
34.0580)**

Conversions

Conversions Part 1

Format	Color
Hex	85A097
RGB	133, 160, 151
RGB Percent	52%, 63%, 59%
CMY	0.4784, 0.3725, 0.4078
CMYK	0.17, 0.00, 0.06, 0.37
HSL	160°, 12%, 57%
HSV	160°, 17%, 63%
XYZ	27.8296, 32.3625, 34.0580
YIQ	150.9010, -13.2030, -8.5230

Conversions

Conversions Part 2

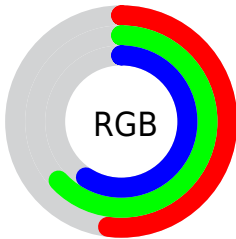
Format	Color
RYB	133, 149, 160
Decimal	8757399
CIELab	63.64, -11.27, 1.55
CIELCh	64, 11.371, 172.170
Yxy	32.3625, 0.2953, 0.3434
Android (android.graphics.Color)	4286947479 (0xFF85A097)
YUV	150.9010, 0.0488, -15.6992
Hunter-Lab	56.8880, -12.2320, 4.3256

Details

The XYZ color **27.8296, 32.3625, 34.0580** is a light color, and the websafe version is hex **669999**. A complement of this color would be **27.7684, 26.2025, 29.1866**, and the grayscale version is **29.3776, 30.9076, 33.6583**.

A 20% lighter version of the original color is **55.5696, 63.4478, 67.0754**, and **11.2301, 13.4842, 14.0674** is the 20% darker color. If you saturate the color by 10%, you get **25.0701, 30.9897, 31.7188**, and if you desaturate by 10%, it is **30.9954, 33.9442, 36.5199**.

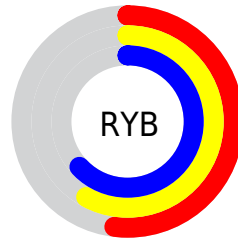
Distribution



Red (52%)

Green (63%)

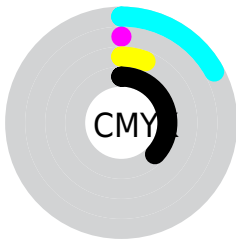
Blue (59%)



Red (52%)

Yellow (58%)

Blue (63%)

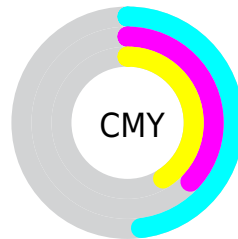


Cyan (17%)

Magenta (0%)

Yellow (6%)

Black (37%)



Cyan (48%)

Magenta (37%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8296, 32.3625, 34.0580 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 27.8296, 32.3625, 34.0580 by changing the saturation by 10% instead.

■ 27.8296, 32.3625,
34.0580

■ 27.8296, 32.3625,
34.0580

283.7467,
312.7673, 335.1676

■ 18.3370, 21.6385,
22.6604

■ 55.6228, 63.3789,
67.1588

■ 11.2934, 13.5915,
14.1400

■ 74.6542, 84.4402,
89.6991

■ 6.3333, 7.8371,
8.0783

■ 97.5959, 109.7160,
116.7907

■ 3.0914, 3.9909,
4.0566

124.8133,
139.5908, 148.8522

■ 1.2023, 1.6685,
1.6564

156.6717,
174.4489, 186.3021

■ 0.1081, 0.4031,
0.3306

193.5365,

■ 0.0000, 0.0000,

214.6748, 229.5589

0.0000

235.7730,
260.6527, 279.0413

■ 27.8296, 32.3625,
34.0580

■ 27.8296, 32.3625,
34.0580

■ 25.0701, 30.9897,
31.7188

■ 30.9954, 33.9442,
36.5199

■ 22.6965, 29.8128,
29.4979

■ 34.5812, 35.7393,
39.1045

■ 20.6908, 28.8233,
27.3940

■ 38.6035, 37.7570,
41.8145

■ 19.0324, 28.0107,
25.4045

■ 43.0771, 40.0051,
44.6518

■ 17.6986, 27.3632,
23.5271

■ 48.0160, 42.4906,
47.6183

■ 16.6638, 26.8679,
21.7590

■ 53.4336, 45.2206,
50.7159

■ 15.8986, 26.5094,
20.0975

■ 59.3429, 48.2015,
53.9463

■ 15.3582, 26.2647,
18.5388

■ 63.5126, 50.2833,
57.2064

■ 15.2074, 26.1972,
18.0714

■ 64.1214, 50.5268,
60.4121

Harmonies

Analogous

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



28.4079, 32.3625, 30.1361



27.8296, 32.3625, 34.0580



28.0147, 32.3625, 38.6451

Triad

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



27.8296, 32.3625, 34.0580



31.9276, 32.3625, 43.9821



32.6727, 32.3625, 28.7652

Complementary

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



27.8296, 32.3625, 34.0580



27.7684, 26.2025, 29.1866

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.



33.6781, 32.3625, 32.0359



27.8296, 32.3625, 34.0580



33.2376, 32.3625, 40.8838

Square

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



27.8296, 32.3625, 34.0580



30.3450, 32.3625, 44.6410



33.8883, 32.3625, 36.4434



31.1779, 32.3625, 27.2566

Rectangle

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



27.8296, 32.3625, 34.0580



28.5492, 32.3625, 41.4471



33.8883, 32.3625, 36.4434



33.0812, 32.3625, 29.6809

Sweetspot

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



27.8305, 32.3639, 34.0587



57.3779, 62.1811, 67.1253



28.0382, 32.6271, 27.0108



12.4939, 13.5923, 14.6550



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.



27.8305, 32.3639, 34.0587



48.6888, 57.8433, 60.3220



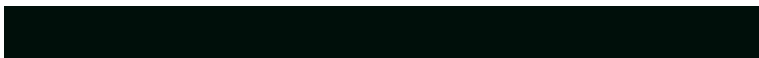
27.8992, 31.2860, 37.8276



6.7277, 7.4719, 8.0009



11.8668, 20.4146, 14.1873



0.2310, 0.3725, 0.3526

Inverse Universe

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



27.7684, 26.2025, 29.1866



48.5562, 44.6554, 49.8959



27.6846, 27.0735, 25.9574



6.7197, 6.6808, 7.3752



11.8185, 6.0320, 3.2954



0.2299, 0.1153, 0.1566

Previews

White Background



This preview shows how the XYZ color 27.8296, 32.3625, 34.0580 looks on a white background.

Color Contrast Check

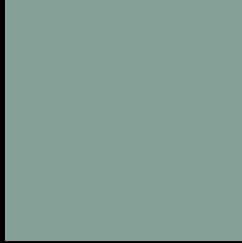
Large Text (above 18pt) WCAG AA × Fail

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 27.8296, 32.3625, 34.0580 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

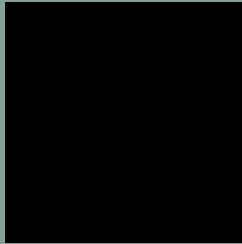
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

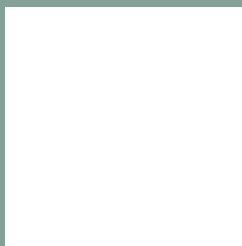
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.8296, 32.3625, 34.0580

Background



This preview shows how black text looks on a background with the XYZ color 27.8296, 32.3625, 34.0580.

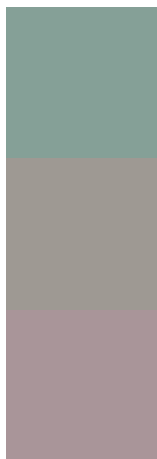


This preview shows how white text looks on a background with the XYZ color 27.8296, 32.3625,

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

27.8296, 32.3625, 34.0580

Protanopia

30.7582, 32.1582, 32.1898

Deuteranopia

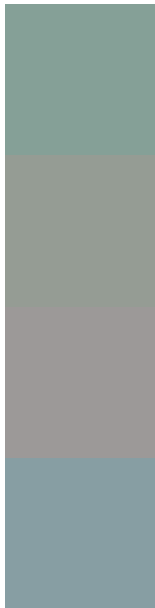
32.8594, 32.2298, 34.6261



Tritanopia

29.4660, 32.2505, 42.7021

Trichromacy



Original Color

27.8296, 32.3625, 34.0580

Protanomaly

29.6282, 32.3046, 32.6908

Deuteranomaly

30.7690, 32.1174, 34.2833

Tritanomaly

28.8294, 32.2490, 39.3555

Monochromacy



Original Color

27.8296, 32.3625, 34.0580

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

28.6431, 31.2749, 33.8052

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8296, 32.3625, 34.0580 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, 160, 151)` looks like.

```
.text, #text, p{  
    color:rgb(133, 160, 151)  
}
```

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, 160, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 160, 151) }
```

Border

The CSS property to change the border of an element to XYZ 27.8296, 32.3625, 34.0580 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, 160, 151) }
```


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

```
.border{ border-color:rgb(133, 160, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 160, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 160, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 160, 151);  
box-shadow:4px 4px 4px 4px rgb(133, 160,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8296, 32.3625, 34.0580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 160, 151) }
```

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

```
.background{ background-color: rgb(133,  
160, 151) }
```

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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