

Converting Colors

XYZ(28.7049, 34.0050, 31.4846)

Have a look what the booklet for
XYZ(28.7049, 34.0050, 31.4846)
contains.

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Color

**XYZ(28.6260, 33.8829,
31.4169)**

Conversions

Conversions Part 1

Format	Color
Hex	89A490
RGB	137, 164, 144
RGB Percent	54%, 64%, 56%
CMY	0.4627, 0.3568, 0.4353
CMYK	0.16, 0.00, 0.12, 0.36
HSL	136°, 13%, 59%
HSV	136°, 16%, 64%
XYZ	28.6260, 33.8829, 31.4169
YIQ	153.6470, -9.6720, -11.9440

Conversions

Conversions Part 2

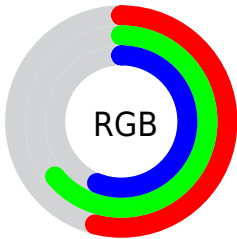
Format	Color
RYB	137, 158, 164
Decimal	9020560
CIELab	64.87, -13.42, 7.27
CIELCh	65, 15.265, 151.554
Yxy	33.8829, 0.3048, 0.3607
Android (android.graphics.Color)	4287210640 (0xFF89A490)
YUV	153.6470, -4.7560, -14.5994
Hunter-Lab	58.2090, -14.0832, 8.7460

Details

The XYZ color **28.6260, 33.8829, 31.4169** is a light color, and the websafe version is hex **669999**. A complement of this color would be **30.3424, 28.2189, 35.7472**, and the grayscale version is **30.5844, 32.1772, 35.0410**.

A 20% lighter version of the original color is **57.0104, 65.8166, 63.1252**, and **11.7450, 14.4227, 12.7545** is the 20% darker color. If you saturate the color by 10%, you get **25.2602, 32.2503, 26.6706**, and if you desaturate by 10%, it is **32.5023, 35.7690, 36.7102**.

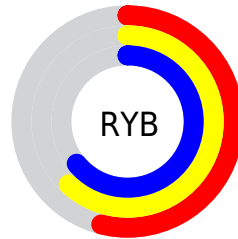
Distribution



Red (54%)

Green (64%)

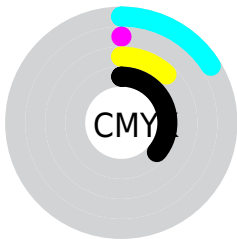
Blue (56%)



Red (54%)

Yellow (62%)

Blue (64%)

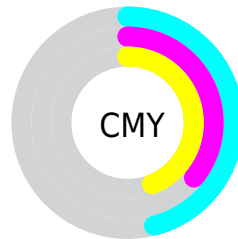


Cyan (16%)

Magenta (0%)

Yellow (12%)

Black (36%)



Cyan (46%)

Magenta (36%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.6260, 33.8829, 31.4169 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 28.6260, 33.8829, 31.4169 by changing the saturation by 10% instead.

■ 28.6260, 33.8829,
31.4169

■ 28.6260, 33.8829,
31.4169

287.4723,
319.6096, 322.8649

■ 18.9409, 22.8037,
20.6554

■ 56.8840, 65.7515,
62.9831

■ 11.7314, 14.4486,
12.6836

■ 76.1877, 87.3097,
84.6249

■ 6.6319, 8.4333,
7.0828

■ 99.4283, 113.1296,
110.7305

■ 3.2773, 4.3735,
3.4347

126.9711,
143.5957, 141.7184

■ 1.3020, 1.8846,
1.3207

159.1816,
179.0924, 178.0073

■ 0.1847, 0.5391,
0.0786

196.4251,

■ 0.0000, 0.0000,

220.0040, 220.0157

0.0000

239.0669,
266.7149, 268.1620

■ 28.6260, 33.8829,
31.4169

■ 28.6260, 33.8829,
31.4169

■ 25.2602, 32.2503,
26.6706

■ 32.5023, 35.7690,
36.7102

■ 22.3805, 30.8562,
22.4516

■ 36.9065, 37.9145,
42.5648

■ 19.9649, 29.6905,
18.7423

■ 41.8588, 40.3302,
48.9974

■ 17.9882, 28.7406,
15.5232

■ 47.3771, 43.0252,
56.0235

■ 16.4230, 27.9930,
12.7737

■ 53.4789, 46.0081,
63.6575

■ 15.2386, 27.4321,
10.4716

■ 60.1807, 49.2873,
71.9139

■ 14.3998, 27.0404,
8.5929

■ 67.4984, 52.8704,
80.8063

■ 13.8580, 26.7934,
7.1109

■ 70.4216, 54.1744,
90.1127

■ 13.7034, 26.7231,
6.6753

■ 72.2997, 54.9257,
100.0022

Harmonies

Analogous

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



30.0410, 33.8829, 27.5007



28.6260, 33.8829, 31.4169



28.1578, 33.8829, 37.2224

Triad

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



28.6260, 33.8829, 31.4169



32.3196, 33.8829, 50.3791



35.9462, 33.8829, 30.9082

Complementary

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



28.6260, 33.8829, 31.4169



30.3424, 28.2189, 35.7472

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.



36.6218, 33.8829, 36.5650



28.6260, 33.8829, 31.4169



34.4699, 33.8829, 48.2113

Square

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



28.6260, 33.8829, 31.4169



30.2312, 33.8829, 48.6052



36.0698, 33.8829, 42.9705



34.2623, 33.8829, 27.2313

Rectangle

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



28.6260, 33.8829, 31.4169



28.4278, 33.8829, 41.5257



36.0698, 33.8829, 42.9705



36.3021, 33.8829, 32.6178

Sweetspot

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



28.6269, 33.8843, 31.4176



60.0325, 65.4291, 68.0275



31.7456, 35.5520, 28.8563



13.0137, 14.2502, 14.7236



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.



28.6269, 33.8843, 31.4176



49.4621, 60.2896, 53.5392



29.7002, 34.3136, 37.0695



7.0574, 7.9238, 7.9142



10.5237, 20.4958, 5.2084



0.2392, 0.4379, 0.2048

Inverse Universe

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



30.3424, 28.2189, 35.7472



53.2116, 47.9045, 63.0004



29.2714, 27.7905, 30.1074



7.2855, 7.1707, 8.4900



14.4279, 7.1272, 14.7100



0.3207, 0.1568, 0.4017

Previews

White Background



This preview shows how the XYZ color 28.6260, 33.8829, 31.4169 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 28.6260, 33.8829, 31.4169 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

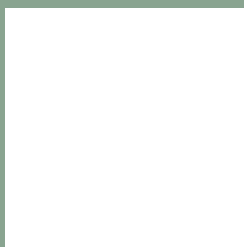
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.6260, 33.8829, 31.4169

Background



This preview shows how black text looks on a background with the XYZ color 28.6260, 33.8829, 31.4169.



This preview shows how white text looks on a background with the XYZ color 28.6260, 33.8829, 31.4169.

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

28.6260, 33.8829, 31.4169

Protanopia

32.1004, 33.8999, 29.6624

Deuteranopia

34.3992, 33.7932, 32.3135



Tritanopia

31.2690, 33.9095, 44.4323

Trichromacy



Original Color

28.6260, 33.8829, 31.4169

Protanomaly

30.7050, 33.9347, 30.1310

Deuteranomaly

31.9771, 33.5336, 31.9814

Tritanomaly

30.0817, 33.6738, 39.0966

Monochromacy



Original Color

28.6260, 33.8829, 31.4169

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

29.9446, 32.9516, 33.6362

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6260, 33.8829, 31.4169 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(137, 164, 144)` looks like.

```
.text, #text, p{  
    color:rgb(137, 164, 144)  
}
```

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(137, 164, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 164, 144) }
```

Border

The CSS property to change the border of an element to XYZ 28.6260, 33.8829, 31.4169 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(137, 164, 144) }
```


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

```
.border{ border-color:rgb(137, 164, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 164, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 164, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 164, 144);  
box-shadow:4px 4px 4px 4px rgb(137, 164,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6260, 33.8829, 31.4169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 164, 144) }
```

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

```
.background{ background-color: rgb(137,  
164, 144) }
```

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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