

Converting Colors

XYZ(28.6414, 34.3128, 33.6226)

Have a look what the booklet for
XYZ(28.6414, 34.3128, 33.6226)
contains.

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Color

**XYZ(28.7339, 34.4289,
33.5648)**

Conversions

Conversions Part 1

Format	Color
Hex	85A695
RGB	133, 166, 149
RGB Percent	52%, 65%, 58%
CMY	0.4784, 0.3490, 0.4157
CMYK	0.20, 0.00, 0.10, 0.35
HSL	149°, 16%, 59%
HSV	149°, 20%, 65%
XYZ	28.7339, 34.4289, 33.5648
YIQ	154.1950, -14.2110, -12.2830

Conversions

Conversions Part 2

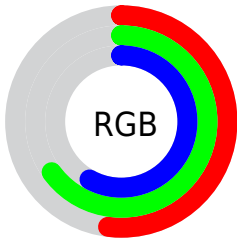
Format	Color
RYB	133, 155, 166
Decimal	8758933
CIELab	65.30, -14.86, 5.07
CIElCh	65, 15.705, 161.165
Yxy	34.4289, 0.2971, 0.3559
Android (android.graphics.Color)	4286949013 (0xFF85A695)
YUV	154.1950, -2.5611, -18.5880
Hunter-Lab	58.6761, -15.2712, 7.1574

Details

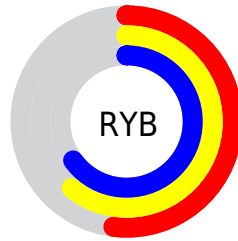
The XYZ color **28.7339, 34.4289, 33.5648** is a light color, and the websafe version is hex **669999**. A complement of this color would be **29.6196, 27.0849, 32.5224**, and the grayscale version is **30.8169, 32.4218, 35.3073**.

A 20% lighter version of the original color is **57.1295, 66.5895, 66.3419**, and **11.7892, 14.7555, 13.7820** is the 20% darker color. If you saturate the color by 10%, you get **25.6596, 32.9210, 29.9869**, and if you desaturate by 10%, it is **32.2745, 36.1733, 37.4277**.

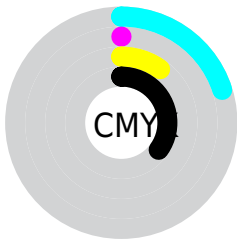
Distribution



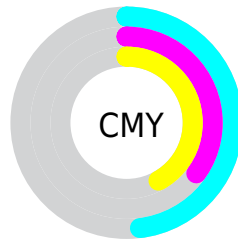
- Red (52%)
- Green (65%)
- Blue (58%)



- Red (52%)
- Yellow (61%)
- Blue (65%)



- Cyan (20%)
- Magenta (0%)
- Yellow (10%)
- Black (35%)



- Cyan (48%)
- Magenta (35%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7339, 34.4289, 33.5648 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 28.7339, 34.4289, 33.5648 by changing the saturation by 10% instead.

■ 28.7339, 34.4289,
33.5648

■ 28.7339, 34.4289,
33.5648

287.9743,
322.0403, 332.8969

■ 19.0229, 23.2233,
22.2848

■ 57.0545, 66.6001,
66.3825

■ 11.7909, 14.7585,
13.8660

■ 76.3948, 88.3345,
88.7572

■ 6.6727, 8.6500,
7.8899

■ 99.6756, 114.3472,
115.6673

■ 3.3027, 4.5136,
3.9378

127.2623,
145.0227, 147.5313

■ 1.3158, 1.9648,
1.5913

159.5201,
180.7454, 184.7677

■ 0.1950, 0.5869,
0.2846

196.8145,

■ 0.0000, 0.0000,

221.8996, 227.7951

0.0000

239.5107,
268.8698, 277.0319

■ 28.7339, 34.4289,
33.5648

■ 28.7339, 34.4289,
33.5648

■ 25.6596, 32.9210,
29.9869

■ 32.2745, 36.1733,
37.4277

■ 23.0282, 31.6348,
26.6852

■ 36.2978, 38.1596,
41.5797

■ 20.8186, 30.5606,
23.6537

■ 40.8226, 40.3985,
46.0277

■ 19.0068, 29.6859,
20.8853

■ 45.8662, 42.8987,
50.7774

■ 17.5663, 28.9974,
18.3725

■ 51.4448, 45.6684,
55.8347

■ 16.4668, 28.4796,
16.1074

■ 57.5740, 48.7155,
61.2052

■ 15.6733, 28.1146,
14.0817

■ 64.2686, 52.0478,
66.8941

■ 15.1090, 27.8629,
12.2847

■ 67.4558, 53.5653,
72.7156

■ 15.1027, 27.8600,
12.2645

■ 68.6004, 54.0231,
78.7427

Harmonies

Analogous

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



29.9124, 34.4289, 28.7795



28.7339, 34.4289, 33.5648



28.5944, 34.4289, 39.9802

Triad

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



28.7339, 34.4289, 33.5648



33.5829, 34.4289, 51.2569



36.1486, 34.4289, 29.7904

Complementary

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



28.7339, 34.4289, 33.5648



29.6196, 27.0849, 32.5224

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.



37.2324, 34.4289, 35.1001



28.7339, 34.4289, 33.5648



35.7057, 34.4289, 47.7950

Square

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



28.7339, 34.4289, 33.5648



31.3237, 34.4289, 50.7213



37.0666, 34.4289, 41.7039



34.1646, 34.4289, 26.7821

Rectangle

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



28.7339, 34.4289, 33.5648



29.1016, 34.4289, 44.3929



37.0666, 34.4289, 41.7039



36.6344, 34.4289, 31.3376

Sweetspot

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



28.7349, 34.4303, 33.5656



61.2196, 66.9539, 70.7022



30.4579, 35.4562, 27.4292



13.6006, 14.9341, 15.7186



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.



28.7349, 34.4303, 33.5656



49.4982, 61.1829, 57.8873



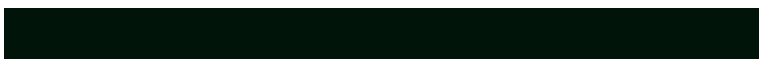
30.1428, 34.9935, 40.9798



7.5826, 8.4661, 8.7880



11.7343, 21.6125, 9.6336



0.3115, 0.5362, 0.3711

Inverse Universe

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



29.6196, 27.0849, 32.5224



51.4099, 45.3114, 55.6328



28.3862, 26.5915, 26.0271



7.6864, 7.6044, 8.6657



13.5060, 6.8111, 7.4760



0.3543, 0.1760, 0.3172

Previews

White Background



This preview shows how the XYZ color 28.7339, 34.4289, 33.5648 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 28.7339, 34.4289, 33.5648 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

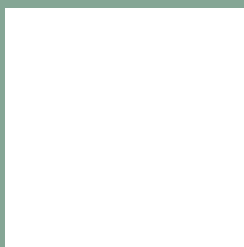
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.7339, 34.4289, 33.5648

Background



This preview shows how black text looks on a background with the XYZ color 28.7339, 34.4289, 33.5648.



This preview shows how white text looks on a background with the XYZ color 28.7339, 34.4289,

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

28.7339, 34.4289, 33.5648

Protanopia

32.5707, 34.3598, 31.3010

Deuteranopia

34.9632, 34.2796, 34.4796



Tritanopia

31.1394, 34.3391, 45.5443

Trichromacy



Original Color

28.7339, 34.4289, 33.5648

Protanomaly

31.0700, 34.3374, 32.1843

Deuteranomaly

32.3100, 34.1617, 34.1691

Tritanomaly

30.1335, 34.1818, 41.0859

Monochromacy



Original Color

28.7339, 34.4289, 33.5648

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

29.7484, 32.8317, 34.4750

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7339, 34.4289, 33.5648 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, 166, 149)` looks like.

```
.text, #text, p{  
    color:rgb(133, 166, 149)  
}
```

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, 166, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 166, 149) }
```

Border

The CSS property to change the border of an element to XYZ 28.7339, 34.4289, 33.5648 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, 166, 149) }
```


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

```
.border{ border-color:rgb(133, 166, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 166, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 166, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 166, 149);  
box-shadow:4px 4px 4px 4px rgb(133, 166,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7339, 34.4289, 33.5648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 166, 149) }
```

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

```
.background{ background-color: rgb(133,  
166, 149) }
```

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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