

Converting Colors

XYZ(29.0224, 33.2530, 33.5125)

Have a look what the booklet for
XYZ(29.0224, 33.2530, 33.5125)
contains.

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Color

**XYZ(28.9849, 33.2351,
33.3211)**

Conversions

Conversions Part 1

Format	Color
Hex	8CA195
RGB	140, 161, 149
RGB Percent	55%, 63%, 58%
CMY	0.4510, 0.3686, 0.4157
CMYK	0.13, 0.00, 0.07, 0.37
HSL	146°, 10%, 59%
HSV	146°, 13%, 63%
XYZ	28.9849, 33.2351, 33.3211
YIQ	153.3530, -8.6640, -8.1840

Conversions

Conversions Part 2

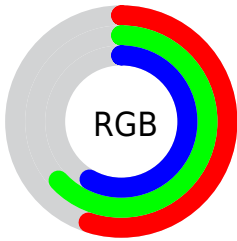
Format	Color
RYB	140, 155, 161
Decimal	9216405
CIELab	64.35, -9.79, 3.76
CIElCh	64, 10.488, 158.999
Yxy	33.2351, 0.3034, 0.3479
Android (android.graphics.Color)	4287406485 (0xFF8CA195)
YUV	153.3530, -2.1460, -11.7106
Hunter-Lab	57.6499, -11.1420, 6.0859

Details

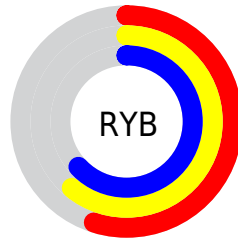
The XYZ color **28.9849, 33.2351, 33.3211** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.7447, 28.6011, 33.6602**, and the grayscale version is **30.4446, 32.0301, 34.8808**.

A 20% lighter version of the original color is **57.5835, 64.8929, 65.9905**, and **11.8897, 13.9928, 13.6295** is the 20% darker color. If you saturate the color by 10%, you get **25.7623, 31.6562, 29.4862**, and if you desaturate by 10%, it is **32.6644, 35.0446, 37.4818**.

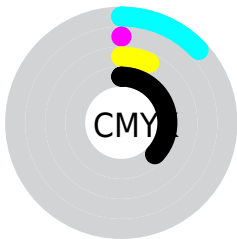
Distribution



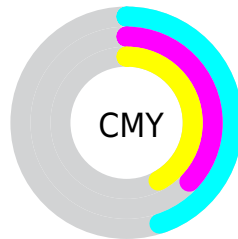
- Red (55%)
- Green (63%)
- Blue (58%)



- Red (55%)
- Yellow (61%)
- Blue (63%)



- Cyan (13%)
- Magenta (0%)
- Yellow (7%)
- Black (37%)



- Cyan (45%)
- Magenta (37%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9849, 33.2351, 33.3211 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 28.9849, 33.2351, 33.3211 by changing the saturation by 10% instead.

■ 28.9849, 33.2351,
33.3211

■ 28.9849, 33.2351,
33.3211

289.1392,
316.7078, 331.7704

■ 19.2136, 22.3066,
22.0994

■ 57.4508, 64.7424,
65.9983

■ 11.9297, 14.0824,
13.7310

■ 76.8762, 86.0900,
88.2909

■ 6.7677, 8.1780,
7.7972

■ 100.2503,
111.6794, 115.1109

■ 3.3623, 4.2090,
3.8795

127.9384,
141.8951, 146.8768

■ 1.3481, 1.7912,
1.5595

160.3061,
177.1213, 184.0071

■ 0.2188, 0.4817,
0.2617

197.7185,

■ 0.0000, 0.0000,

217.7426, 226.9205

0.0000

240.5411,
264.1433, 276.0354

■ 28.9849, 33.2351,
33.3211

■ 28.9849, 33.2351,
33.3211

■ 25.7623, 31.6562,
29.4862

■ 32.6644, 35.0446,
37.4818

■ 22.9752, 30.2945,
25.9671

■ 36.8155, 37.0895,
41.9735

■ 20.6049, 29.1411,
22.7562

■ 41.4555, 39.3793,
46.8045

■ 18.6299, 28.1854,
19.8453

■ 46.6001, 41.9222,
51.9816

■ 17.0269, 27.4153,
17.2252

■ 52.2642, 44.7257,
57.5117

■ 15.7698, 26.8177,
14.8867

■ 58.4622, 47.7969,
63.4016

■ 14.8290, 26.3775,
12.8198

■ 65.2079, 51.1429,
69.6576

■ 14.1696, 26.0769,
11.0139

■ 67.2521, 52.0576,
76.0397

■ 13.8195, 25.9206,
9.9040

■ 68.5240, 52.5664,
82.7374

Harmonies

Analogous

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



29.8172, 33.2351, 30.1686



28.9849, 33.2351, 33.3211



28.8385, 33.2351, 37.4882

Triad

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



28.9849, 33.2351, 33.3211



32.0400, 33.2351, 44.9270



33.8721, 33.2351, 31.2578

Complementary

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



28.9849, 33.2351, 33.3211



29.7447, 28.6011, 33.6602

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.



34.5090, 33.2351, 34.9170



28.9849, 33.2351, 33.3211



33.4295, 33.2351, 42.9577

Square

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



28.9849, 33.2351, 33.3211



30.5716, 33.2351, 44.4151



34.3445, 33.2351, 39.2135



32.6286, 33.2351, 29.0442

Rectangle

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



28.9849, 33.2351, 33.3211



29.1449, 33.2351, 40.3197



34.3445, 33.2351, 39.2135



34.1660, 33.2351, 32.3475

Sweetspot

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



28.9858, 33.2365, 33.3218



57.7790, 62.4060, 66.3286



30.4754, 34.0843, 29.7841



12.5634, 13.6332, 14.4263



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.



28.9858, 33.2365, 33.3218



49.9412, 58.5555, 57.3742



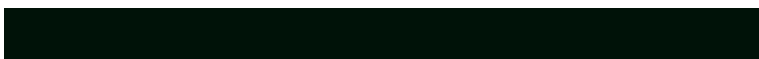
29.8409, 33.5786, 37.8248



7.1057, 7.9431, 8.1681



11.0563, 20.7089, 8.0131



0.2558, 0.4445, 0.2920

Inverse Universe

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



29.7447, 28.6011, 33.6602



51.6020, 48.4106, 58.1141



28.9408, 28.2795, 29.4266



7.2354, 7.1506, 8.2260



13.3027, 6.6771, 8.7843



0.3025, 0.1495, 0.3058

Previews

White Background



This preview shows how the XYZ color 28.9849, 33.2351, 33.3211 looks on a white background.

Color Contrast Check

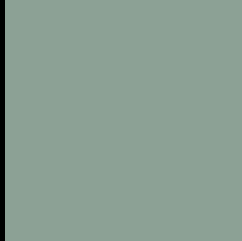
Large Text (above 18pt) WCAG AA × Fail

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 28.9849, 33.2351, 33.3211 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 28.9849, 33.2351, 33.3211

Background



This preview shows how black text looks on a background with the XYZ color 28.9849, 33.2351, 33.3211.



This preview shows how white text looks on a background with the XYZ color 28.9849, 33.2351,

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

28.9849, 33.2351, 33.3211

Protanopia

31.6076, 33.0951, 31.9162

Deuteranopia

33.6658, 33.1382, 33.9001



Tritanopia

30.9842, 33.2853, 42.8219

Trichromacy



Original Color

28.9849, 33.2351, 33.3211

Protanomaly

30.4603, 32.9928, 32.3666

Deuteranomaly

31.7236, 33.1183, 33.5746

Tritanomaly

30.2474, 33.2445, 39.0050

Monochromacy



Original Color

28.9849, 33.2351, 33.3211

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

29.7687, 32.3398, 34.3790

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9849, 33.2351, 33.3211 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(140, 161, 149)` looks like.

```
.text, #text, p{  
    color:rgb(140, 161, 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(140, 161, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 161, 149) }
```

Border

The CSS property to change the border of an element to XYZ 28.9849, 33.2351, 33.3211 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(140, 161, 149) }
```


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

```
.border{ border-color:rgb(140, 161, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 161, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(140, 161, 149); -webkit-box-shadow:4px 4px 4px 4px rgb(140, 161, 149); box-shadow:4px 4px 4px 4px rgb(140, 161, 149) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9849, 33.2351, 33.3211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 161, 149) }
```

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

```
.background{ background-color: rgb(140,  
161, 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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