

Converting Colors

XYZ(28.3678, 33.2102, 32.4326)

Have a look what the booklet for
XYZ(28.3678, 33.2102, 32.4326)
contains.

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Color

**XYZ(28.3401, 33.1815,
32.5147)**

Conversions

Conversions Part 1

Format	Color
Hex	88A293
RGB	136, 162, 147
RGB Percent	53%, 64%, 58%
CMY	0.4667, 0.3647, 0.4235
CMYK	0.16, 0.00, 0.09, 0.36
HSL	145°, 12%, 58%
HSV	145°, 16%, 64%
XYZ	28.3401, 33.1815, 32.5147
YIQ	152.5160, -10.6810, -10.1770

Conversions

Conversions Part 2

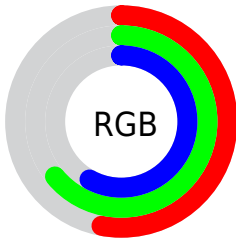
Format	Color
RYB	136, 154, 162
Decimal	8954515
CIELab	64.31, -12.12, 4.78
CIELCh	64, 13.028, 158.474
Yxy	33.1815, 0.3014, 0.3529
Android (android.graphics.Color)	4287144595 (0xFF88A293)
YUV	152.5160, -2.7194, -14.4845
Hunter-Lab	57.6034, -12.9863, 6.8556

Details

The XYZ color **28.3401, 33.1815, 32.5147** is a light color, and the websafe version is hex **669999**. A complement of this color would be **29.2915, 27.5248, 33.0486**, and the grayscale version is **30.0836, 31.6503, 34.4671**.

A 20% lighter version of the original color is **56.5907, 64.7899, 64.7814**, and **11.5250, 13.9748, 13.1563** is the 20% darker color. If you saturate the color by 10%, you get **25.2015, 31.6458, 28.6937**, and if you desaturate by 10%, it is **31.9379, 34.9489, 36.6698**.

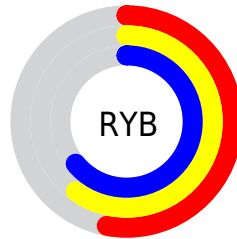
Distribution



Red (53%)

Green (64%)

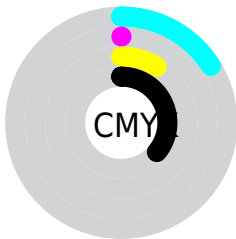
Blue (58%)



Red (53%)

Yellow (60%)

Blue (64%)

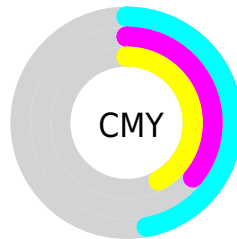


Cyan (16%)

Magenta (0%)

Yellow (9%)

Black (36%)



Cyan (47%)

Magenta (36%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.3401, 33.1815, 32.5147 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 28.3401, 33.1815, 32.5147 by changing the saturation by 10% instead.

■ 28.3401, 33.1815,
32.5147

■ 28.3401, 33.1815,
32.5147

286.1392,
316.4668, 328.0219

■ 18.7240, 22.2655,
21.4869

■ 56.4318, 64.6588,
64.7244

■ 11.5738, 14.0521,
13.2857

■ 75.6381, 85.9889,
86.7433

■ 6.5243, 8.1569,
7.4925

■ 98.7718, 111.5592,
113.2630

■ 3.2101, 4.1955,
3.6889

126.1983,
141.7540, 144.7020

■ 1.2658, 1.7835,
1.4563

158.2829,
176.9578, 181.4788

■ 0.1574, 0.4769,
0.1850

195.3911,

■ 0.0000, 0.0000,

217.5549, 224.0121

0.0000

237.8880,
263.9298, 272.7203

■ 28.3401, 33.1815,
32.5147

■ 28.3401, 33.1815,
32.5147

■ 25.2015, 31.6458,
28.6937

■ 31.9379, 34.9489,
36.6698

■ 22.5001, 30.3278,
25.1962

■ 36.0101, 36.9529,
41.1646

■ 20.2163, 29.2184,
22.0145

■ 40.5747, 39.2036,
46.0076

■ 18.3276, 28.3065,
19.1394

■ 45.6479, 41.7091,
51.2063

■ 16.8096, 27.5794,
16.5617

■ 51.2450, 44.4773,
56.7677

■ 15.6349, 27.0233,
14.2713

■ 57.3810, 47.5156,
62.6989

■ 14.7720, 26.6221,
12.2576

■ 64.0699, 50.8311,
69.0066

■ 14.1781, 26.3541,
10.5091

■ 67.3159, 52.3639,
75.5099

■ 13.9807, 26.2659,
9.8876

■ 68.6023, 52.8785,
82.2839

Harmonies

Analogous

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



29.3740, 33.1815, 28.7186



28.3401, 33.1815, 32.5147



28.1455, 33.1815, 37.6527

Triad

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



28.3401, 33.1815, 32.5147



32.0657, 33.1815, 47.1837



34.4088, 33.1815, 30.1483

Complementary

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



28.3401, 33.1815, 32.5147



29.2915, 27.5248, 33.0486

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.



35.1928, 33.1815, 34.6470



28.3401, 33.1815, 32.5147



33.8057, 33.1815, 44.7157

Square

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



28.3401, 33.1815, 32.5147



30.2494, 33.1815, 46.4705



34.9679, 33.1815, 40.0017



32.8628, 33.1815, 27.4483

Rectangle

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



28.3401, 33.1815, 32.5147



28.5103, 33.1815, 41.2124



34.9679, 33.1815, 40.0017



34.7729, 33.1815, 31.4818

Sweetspot

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



28.3410, 33.1829, 32.5154



58.6469, 63.7731, 67.3211



30.1589, 34.2151, 28.3075



13.0665, 14.2713, 15.0015



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.



28.3410, 33.1829, 32.5154



49.4714, 59.2694, 56.6635



29.4054, 33.6086, 38.1202



7.1041, 7.9424, 8.1598



11.0345, 20.7001, 7.8982



0.2553, 0.4443, 0.2891

Inverse Universe

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



29.2915, 27.5248, 33.0486



51.5055, 47.1599, 57.8036



28.3049, 27.1302, 27.8533



7.2370, 7.1513, 8.2345



13.3336, 6.6895, 8.9475



0.3031, 0.1497, 0.3087

Previews

White Background



This preview shows how the XYZ color 28.3401, 33.1815, 32.5147 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 28.3401, 33.1815, 32.5147 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

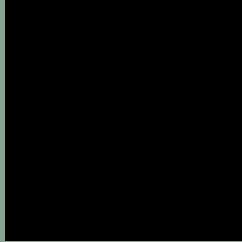
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.3401, 33.1815, 32.5147

Background



This preview shows how black text looks on a background with the XYZ color 28.3401, 33.1815, 32.5147.



This preview shows how white text looks on a background with the XYZ color 28.3401, 33.1815,

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

28.3401, 33.1815, 32.5147

Protanopia

31.3772, 33.0029, 30.7030

Deuteranopia

33.5647, 32.8669, 33.0087



Tritanopia

30.3928, 32.9694, 43.2899

Trichromacy



Original Color

28.3401, 33.1815, 32.5147

Protanomaly

30.2098, 33.1427, 31.1905

Deuteranomaly

31.3981, 32.7229, 32.6783

Tritanomaly

29.5672, 32.8939, 38.9732

Monochromacy



Original Color

28.3401, 33.1815, 32.5147

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

29.5070, 32.2143, 33.9410

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3401, 33.1815, 32.5147 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(136, 162, 147)` looks like.

```
.text, #text, p{  
    color:rgb(136, 162, 147)  
}
```

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(136, 162, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 162, 147) }
```

Border

The CSS property to change the border of an element to XYZ 28.3401, 33.1815, 32.5147 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(136, 162, 147) }
```


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

```
.border{ border-color:rgb(136, 162, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 162, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 162, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 162, 147);  
box-shadow:4px 4px 4px 4px rgb(136, 162,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3401, 33.1815, 32.5147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 162, 147) }
```

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

```
.background{ background-color: rgb(136,  
162, 147) }
```

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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