

Converting Colors

XYZ(29.8750, 37.9792, 33.7951)

Have a look what the booklet for
XYZ(29.8750, 37.9792, 33.7951)
contains.

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Color

**XYZ(29.9695, 38.1716,
33.8053)**

Conversions

Conversions Part 1

Format	Color
Hex	80B194
RGB	128, 177, 148
RGB Percent	50%, 69%, 58%
CMY	0.4980, 0.3059, 0.4196
CMYK	0.28, 0.00, 0.16, 0.31
HSL	144°, 24%, 60%
HSV	144°, 28%, 69%
XYZ	29.9695, 38.1716, 33.8053
YIQ	159.0430, -19.8950, -19.4070

Conversions

Conversions Part 2

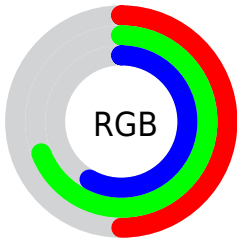
Format	Color
RYB	128, 163, 177
Decimal	8434068
CIELab	68.15, -22.39, 9.65
CIElCh	68, 24.378, 156.671
Yxy	38.1716, 0.2940, 0.3744
Android (android.graphics.Color)	4286624148 (0xFF80B194)
YUV	159.0430, -5.4442, -27.2247
Hunter-Lab	61.7832, -21.5346, 10.8071

Details

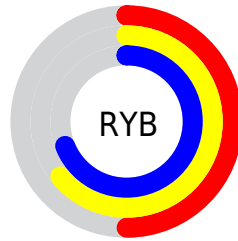
The XYZ color **29.9695, 38.1716, 33.8053** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **31.9377, 27.2206, 35.4706**, and the grayscale version is **33.0058, 34.7246, 37.8151**.

A 20% lighter version of the original color is **59.0910, 72.4872, 66.7541**, and **12.4259, 16.8562, 13.9079** is the 20% darker color. If you saturate the color by 10%, you get **26.7439, 36.6013, 29.5203**, and if you desaturate by 10%, it is **33.7367, 40.0145, 38.5091**.

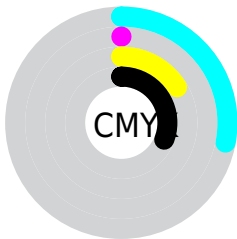
Distribution



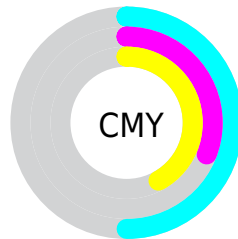
- Red (50%)
- Green (69%)
- Blue (58%)



- Red (50%)
- Yellow (64%)
- Blue (69%)



- Cyan (28%)
- Magenta (0%)
- Yellow (16%)
- Black (31%)




- Cyan (50%)
- Magenta (31%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.9695, 38.1716, 33.8053 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 29.9695, 38.1716, 33.8053 by changing the saturation by 10% instead.


 29.9695, 38.1716,
33.8053


 29.9695, 38.1716,
33.8053


293.6746,
338.3555, 334.0056


 19.9634, 26.1159,
22.4679


 59.0009, 72.3711,
66.7612

 12.4765, 16.9104,
13.9995


 78.7569, 95.2836,
89.2168

 7.1436, 10.1706,
7.9816


 102.4936,
122.5840, 116.2156

 3.5992, 5.5122,
3.9956

130.5763,
154.6564, 148.1760

 1.4780, 2.5508,
1.6229

163.3704,
191.8854, 185.5167

 0.3108, 0.9020,
0.3071

201.2413,

 0.0000, 0.0000,

234.6553, 228.6562

0.0000

244.5542,
283.3506, 278.0130

■ 29.9695, 38.1716,
33.8053

■ 29.9695, 38.1716,
33.8053

■ 26.7439, 36.6013,
29.5203

■ 33.7367, 40.0145,
38.5091

■ 24.0307, 35.2857,
25.6399

■ 38.0666, 42.1376,
43.6402

■ 21.8026, 34.2119,
22.1529

■ 42.9831, 44.5539,
49.2102

■ 20.0282, 33.3641,
19.0466

■ 48.5076, 47.2744,
55.2292

■ 18.6725, 32.7245,
16.3075

■ 54.6606, 50.3094,
61.7073

■ 17.6948, 32.2722,
13.9213

■ 61.4613, 53.6686,
68.6540

■ 17.0329, 31.9757,
11.8717

■ 68.9285, 57.3615,
76.0786

■ 16.9006, 31.9168,
11.4425

■ 71.5013, 58.5211,
83.7291

■ 73.0328, 59.1337,
91.7938

Harmonies

Analogous

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



32.0850, 38.1716, 26.9209



29.9695, 38.1716, 33.8053



29.4892, 38.1716, 44.0441

Triad

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



29.9695, 38.1716, 33.8053



37.1375, 38.1716, 66.0380



42.4706, 38.1716, 30.2635

Complementary

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



29.9695, 38.1716, 33.8053



31.9377, 27.2206, 35.4706

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.



44.0429, 38.1716, 39.1757



29.9695, 38.1716, 33.8053



40.8277, 38.1716, 60.7335

Square

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



29.9695, 38.1716, 33.8053



33.4603, 38.1716, 63.9219



43.4216, 38.1716, 50.4237



39.2558, 38.1716, 25.1396

Rectangle

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



29.9695, 38.1716, 33.8053



30.1285, 38.1716, 51.6939



43.4216, 38.1716, 50.4237



43.2187, 38.1716, 32.8495

Sweetspot

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



29.9705, 38.1732, 33.8062



67.8000, 75.2805, 77.7224



33.6026, 40.2130, 26.4133



14.4319, 16.1862, 16.5394



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.9705, 38.1732, 33.8062



50.1624, 66.6518, 55.9412



32.0815, 39.0176, 44.9221



8.5280, 9.5457, 9.7739



12.2731, 23.1352, 8.4407



0.4154, 0.7396, 0.4198

Inverse Universe

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



31.9377, 27.2206, 35.4706



54.2508, 43.8785, 59.3929



30.0784, 26.4769, 25.6798



8.7003, 8.5868, 9.9202



15.0060, 7.5199, 10.4573



0.5002, 0.2478, 0.4769

Previews

White Background



This preview shows how the XYZ color 29.9695, 38.1716, 33.8053 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 29.9695, 38.1716, 33.8053 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 29.9695, 38.1716, 33.8053

Background



This preview shows how black text looks on a background with the XYZ color 29.9695, 38.1716, 33.8053.



This preview shows how white text looks on a background with the XYZ color 29.9695, 38.1716,

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

29.9695, 38.1716, 33.8053

Protanopia

35.7932, 37.8619, 31.0128

Deuteranopia

38.7318, 37.9734, 34.9940



Tritanopia

33.6071, 38.2011, 52.0566

Trichromacy



Original Color

29.9695, 38.1716, 33.8053

Protanomaly

33.1266, 37.5576, 31.8889

Deuteranomaly

34.9480, 37.6138, 34.6964

Tritanomaly

32.0982, 38.1562, 44.7029

Monochromacy



Original Color

29.9695, 38.1716, 33.8053

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

31.7654, 35.9349, 36.2723

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9695, 38.1716, 33.8053 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(128, 177, 148)` looks like.

```
.text, #text, p{  
    color:rgb(128, 177, 148)  
}
```

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(128, 177, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 177, 148) }
```

Border

The CSS property to change the border of an element to XYZ 29.9695, 38.1716, 33.8053 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(128, 177, 148) }
```


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

```
.border{ border-color:rgb(128, 177, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 177, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 177, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 177, 148);  
box-shadow:4px 4px 4px 4px rgb(128, 177,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9695, 38.1716, 33.8053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 177, 148) }
```

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

```
.background{ background-color: rgb(128,  
177, 148) }
```

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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