

Converting Colors

XYZ(28.6748, 36.9176, 29.6208)

Have a look what the booklet for
XYZ(28.6748, 36.9176, 29.6208)
contains.

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Color

**XYZ(28.8195, 37.0841,
29.6838)**

Conversions

Conversions Part 1

Format	Color
Hex	80AF8A
RGB	128, 175, 138
RGB Percent	50%, 69%, 54%
CMY	0.4980, 0.3137, 0.4588
CMYK	0.27, 0.00, 0.21, 0.31
HSL	133°, 23%, 59%
HSV	133°, 27%, 69%
XYZ	28.8195, 37.0841, 29.6838
YIQ	156.7290, -16.1350, -21.4710

Conversions

Conversions Part 2

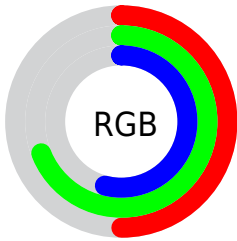
Format	Color
RYB	128, 167, 175
Decimal	8433546
CIELab	67.34, -23.32, 14.01
CIELCh	67, 27.201, 149.007
Yxy	37.0841, 0.3015, 0.3880
Android (android.graphics.Color)	4286623626 (0xFF80AF8A)
YUV	156.7290, -9.2334, -25.1953
Hunter-Lab	60.8967, -22.0937, 13.7271

Details

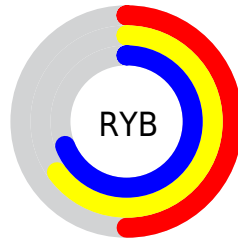
The XYZ color **28.8195, 37.0841, 29.6838** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **32.1911, 27.2697, 39.1657**, and the grayscale version is **31.9722, 33.6372, 36.6309**.

A 20% lighter version of the original color is **57.3817, 70.9027, 60.5304**, and **11.7816, 16.2014, 11.7388** is the 20% darker color. If you saturate the color by 10%, you get **25.4759, 35.4695, 24.6470**, and if you desaturate by 10%, it is **32.7457, 38.9865, 35.4100**.

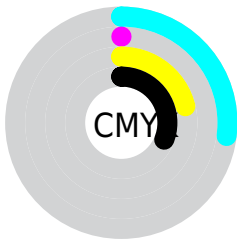
Distribution



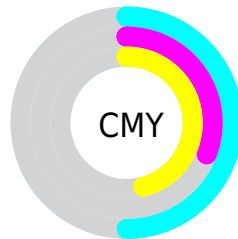
- Red (50%)
- Green (69%)
- Blue (54%)



- Red (50%)
- Yellow (65%)
- Blue (69%)



- Cyan (27%)
- Magenta (0%)
- Yellow (21%)
- Black (31%)



- Cyan (50%)
- Magenta (31%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8195, 37.0841, 29.6838 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 28.8195, 37.0841, 29.6838 by changing the saturation by 10% instead.

■ 28.8195, 37.0841,
29.6838

■ 28.8195, 37.0841,
29.6838

288.3719,
333.6745, 314.5891

■ 19.0879, 25.2726,
19.3487

■ 57.1897, 70.7021,
60.2168

■ 11.8382, 16.2803,
11.7431

■ 76.5591, 93.2774,
81.2519

■ 6.7050, 9.7227,
6.4486

■ 99.8717, 120.2095,
106.6906

■ 3.3230, 5.2155,
3.0466

127.4930,
151.8826, 136.9516

■ 1.3268, 2.3742,
1.1185

159.7884,
188.6813, 172.4534

■ 0.2031, 0.8126,
0.0000

197.1231,

■ 0.0000, 0.0000,

230.9899, 213.6146

0.0000

239.8625,
279.1929, 260.8536

■ 28.8195, 37.0841,
29.6838

■ 28.8195, 37.0841,
29.6838

■ 25.4759, 35.4695,
24.6470

■ 32.7457, 38.9865,
35.4100

■ 22.6838, 34.1241,
20.2711

■ 37.2775, 41.1850,
41.8477

■ 20.4139, 33.0344,
16.5293

■ 42.4405, 43.6932,
49.0210

■ 18.6328, 32.1838,
13.3922

■ 48.2579, 46.5226,
56.9522

■ 17.3031, 31.5537,
10.8278

■ 54.7515, 49.6841,
65.6627

■ 16.3818, 31.1226,
8.8012

■ 61.9423, 53.1880,
75.1730

■ 15.8097, 30.8609,
7.2732

■ 69.8503, 57.0443,
85.5027

■ 15.6683, 30.7964,
6.8882

■ 73.5476, 58.7121,
96.4395

■ 74.6207, 59.1414,
102.0902

Harmonies

Analogous

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



31.5055, 37.0841, 23.4605



28.8195, 37.0841, 29.6838



27.8325, 37.0841, 39.9820

Triad

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



28.8195, 37.0841, 29.6838



35.1087, 37.0841, 67.9193



42.7238, 37.0841, 30.2482

Complementary

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



28.8195, 37.0841, 29.6838



32.1911, 27.2697, 39.1657

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.



43.8744, 37.0841, 40.7772



28.8195, 37.0841, 29.6838



39.2742, 37.0841, 63.9364

Square

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



28.8195, 37.0841, 29.6838



31.2829, 37.0841, 63.3978



42.5662, 37.0841, 53.3749



39.5332, 37.0841, 23.7385

Rectangle

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



28.8195, 37.0841, 29.6838



28.2060, 37.0841, 48.3163



42.5662, 37.0841, 53.3749



43.3726, 37.0841, 33.3611

Sweetspot

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



28.8205, 37.0857, 29.6846



65.6584, 73.2228, 73.3956



34.8698, 40.2841, 26.3602



14.3142, 16.1391, 15.9192



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.



28.8205, 37.0857, 29.6846



48.0787, 64.7068, 47.8758



30.6574, 37.8204, 39.3576



7.9716, 8.9662, 8.8757



11.2392, 22.0609, 5.0331



0.3322, 0.6215, 0.2427

Inverse Universe

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



32.1911, 27.2697, 39.1657



55.0927, 44.2699, 67.5972



30.2895, 26.5091, 29.1516



8.2630, 8.1184, 9.6957



15.9568, 7.8453, 17.9500



0.4619, 0.2255, 0.5943

Previews

White Background



This preview shows how the XYZ color 28.8195, 37.0841, 29.6838 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 28.8195, 37.0841, 29.6838 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 28.8195, 37.0841, 29.6838

Background



This preview shows how black text looks on a background with the XYZ color 28.8195, 37.0841, 29.6838.



This preview shows how white text looks on a background with the XYZ color 28.8195, 37.0841, 29.6838.

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

28.8195, 37.0841, 29.6838

Protanopia

34.4956, 36.7446, 27.1041

Deuteranopia

37.4330, 36.6317, 30.6889



Tritanopia

32.7848, 36.9876, 49.6673

Trichromacy



Original Color

28.8195, 37.0841, 29.6838

Protanomaly

32.0264, 36.5268, 27.9167

Deuteranomaly

33.8091, 36.5810, 30.4782

Tritanomaly

31.1187, 36.8655, 41.5520

Monochromacy



Original Color

28.8195, 37.0841, 29.6838

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

30.6345, 34.8639, 33.9690

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8195, 37.0841, 29.6838 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, 175, 138)` looks like.

```
.text, #text, p{  
    color:rgb(128, 175, 138)  
}
```

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, 175, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 175, 138) }
```

Border

The CSS property to change the border of an element to XYZ 28.8195, 37.0841, 29.6838 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, 175, 138) }
```


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

```
.border{ border-color:rgb(128, 175, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 175, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 175, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 175, 138);  
box-shadow:4px 4px 4px 4px rgb(128, 175,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8195, 37.0841, 29.6838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 175, 138) }
```

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

```
.background{ background-color: rgb(128,  
175, 138) }
```

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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