

Converting Colors

XYZ(28.9193, 38.2032, 17.0171)

Have a look what the booklet for
XYZ(28.9193, 38.2032, 17.0171)
contains.

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Color

**XYZ(29.0162, 38.3480,
16.9389)**

Conversions

Conversions Part 1

Format	Color
Hex	8DB260
RGB	141, 178, 96
RGB Percent	55%, 70%, 38%
CMY	0.4471, 0.3019, 0.6235
CMYK	0.21, 0.00, 0.46, 0.30
HSL	87°, 35%, 54%
HSV	87°, 46%, 70%
XYZ	29.0162, 38.3480, 16.9389
YIQ	157.5890, 4.2700, -33.3460

Conversions

Conversions Part 2

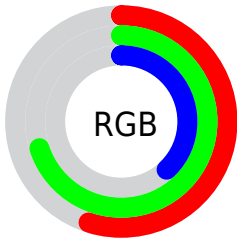
Format	Color
RYB	96, 178, 133
Decimal	9286240
CIELab	68.28, -26.59, 37.74
CIELCh	68, 46.166, 125.168
Yxy	38.3480, 0.3442, 0.4549
Android (android.graphics.Color)	4287476320 (0xFF8DB260)
YUV	157.5890, -30.3634, -14.5486
Hunter-Lab	61.9258, -24.7314, 27.1301

Details

The XYZ color **29.0162, 38.3480, 16.9389** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **21.8932, 16.5677, 44.1656**, and the grayscale version is **32.4458, 34.1355, 37.1735**.

A 20% lighter version of the original color is **57.5331, 72.7195, 39.0209**, and **11.9665, 16.9963, 5.3392** is the 20% darker color. If you saturate the color by 10%, you get **26.9713, 37.3792, 13.0391**, and if you desaturate by 10%, it is **31.3476, 39.4454, 21.8223**.

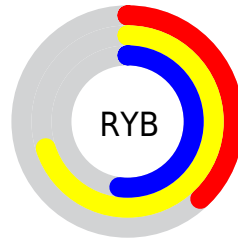
Distribution



Red (55%)

Green (70%)

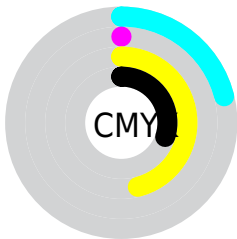
Blue (38%)



Red (38%)

Yellow (70%)

Blue (52%)

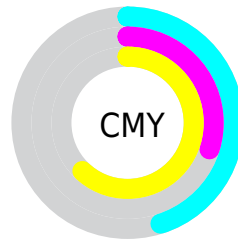


Cyan (21%)

Magenta (0%)

Yellow (46%)

Black (30%)



Cyan (45%)

Magenta (30%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.0162, 38.3480, 16.9389 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 29.0162, 38.3480, 16.9389 by changing the saturation by 10% instead.

■ 29.0162, 38.3480,
16.9389

■ 29.0162, 38.3480,
16.9389

289.2842,
339.1104, 246.8521

■ 19.2374, 26.2529,
10.0294

■ 57.5002, 72.6412,
39.0099

■ 11.9470, 17.0129,
5.3126

■ 76.9361, 95.6081,
55.0085

■ 6.7795, 10.2437,
2.3699

■ 100.3218,
122.9677, 74.8740

■ 3.3697, 5.5608,
0.7700

■ 128.0227,
155.1045, 99.0247

■ 1.3522, 2.5799,
0.0000

160.4039,
192.4027, 127.8794

■ 0.2217, 0.9166,
0.0000

197.8311,

■ 0.0000, 0.0000,

235.2469, 161.8565

0.0000

240.6694,
284.0213, 201.3745

■ 29.0162, 38.3480,
16.9389

■ 29.0162, 38.3480,
16.9389

■ 26.9713, 37.3792,
13.0391

■ 31.3476, 39.4454,
21.8223

■ 25.1954, 36.5280,
10.0535

■ 33.9763, 40.6721,
27.7474

■ 23.6730, 35.7890,
7.9076


■ 36.9157, 42.0350,
34.7708


■ 22.3852, 35.1547,
6.5142


■ 40.1775, 43.5391,
42.9444


■ 21.3082, 34.6150,
5.7593

■ 43.7729, 45.1888,
52.3165

 20.9236, 34.4212,
5.5412

 47.7122, 46.9887,
62.9329

 52.0055, 48.9429,
74.8370

 56.6622, 51.0555,
88.0698

 61.4969, 53.2524,
101.6452

Harmonies

Analogous

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



35.2112, 38.3480, 13.3371



29.0162, 38.3480, 16.9389



25.2357, 38.3480, 27.1717

Triad

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



29.0162, 38.3480, 16.9389



30.9186, 38.3480, 89.2887



52.1142, 38.3480, 38.2712

Complementary

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



29.0162, 38.3480, 16.9389



21.8932, 16.5677, 44.1656

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.



50.5707, 38.3480, 60.7974



29.0162, 38.3480, 16.9389



37.7148, 38.3480, 95.2559

Square

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



29.0162, 38.3480, 16.9389



26.2281, 38.3480, 69.1281



45.0528, 38.3480, 83.4696



49.0295, 38.3480, 22.7705

Rectangle

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



29.0162, 38.3480, 16.9389



24.2811, 38.3480, 38.4910



45.0528, 38.3480, 83.4696



52.1232, 38.3480, 45.1973

Sweetspot

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



29.0171, 38.3497, 16.9397



67.9764, 76.7027, 65.5985



28.8467, 27.0585, 14.7693



14.7918, 16.8695, 13.8737



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



29.0171, 38.3497, 16.9397



48.9485, 67.8007, 23.7165



23.2995, 35.4021, 16.6721



8.8198, 9.7122, 9.0623



15.0436, 24.6653, 3.9680



0.5394, 0.8101, 0.1279

Inverse Universe

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



21.8932, 16.5677, 44.1656



34.4689, 23.4979, 79.1000



29.6535, 20.5683, 44.5288



8.3940, 8.4116, 10.6875



8.2070, 3.5667, 30.3929



0.3257, 0.1470, 0.9594

Previews

White Background



This preview shows how the XYZ color 29.0162, 38.3480, 16.9389 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 29.0162, 38.3480, 16.9389 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 29.0162, 38.3480, 16.9389

Background



This preview shows how black text looks on a background with the XYZ color 29.0162, 38.3480, 16.9389.



This preview shows how white text looks on a background with the XYZ color 29.0162, 38.3480,

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

29.0162, 38.3480, 16.9389

Protanopia

35.0964, 38.1124, 15.6319

Deuteranopia

38.6632, 37.8108, 17.5724



Tritanopia

35.5830, 38.1550, 49.7452

Trichromacy



Original Color

29.0162, 38.3480, 16.9389

Protanomaly

32.4990, 37.8646, 15.9516

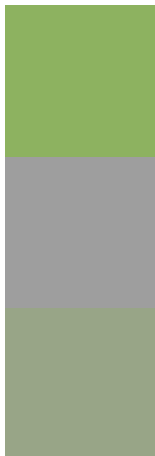
Deuteranomaly

34.2977, 37.3948, 17.2146

Tritanomaly

32.7329, 38.1290, 34.9126

Monochromacy



Original Color

29.0162, 38.3480, 16.9389

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

30.7772, 35.3349, 28.1199

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0162, 38.3480, 16.9389 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(141, 178, 96)` looks like.

```
.text, #text, p{  
    color:rgb(141, 178, 96)  
}
```

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(141, 178, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 178, 96) }
```

Border

The CSS property to change the border of an element to XYZ 29.0162, 38.3480, 16.9389 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(141, 178, 96) }
```


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

```
.border{ border-color:rgb(141, 178, 96) }
```

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

Here you see how a box with a 4 pixel rgb(141, 178, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 178, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 178, 96);  
box-shadow:4px 4px 4px 4px rgb(141, 178,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 29.0162, 38.3480, 16.9389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 178, 96) }
```

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

```
.background{ background-color: rgb(141,  
178, 96) }
```

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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