

Converting Colors

XYZ(29.3576, 38.3988, 9.2462)

Have a look what the booklet for
XYZ(29.3576, 38.3988, 9.2462)
contains.

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Color

**XYZ(29.3136, 38.3767,
9.2306)**

Conversions

Conversions Part 1

Format	Color
Hex	98B135
RGB	152, 177, 53
RGB Percent	60%, 69%, 21%
CMY	0.4039, 0.3059, 0.7921
CMYK	0.14, 0.00, 0.70, 0.31
HSL	72°, 54%, 45%
HSV	72°, 70%, 69%
XYZ	29.3136, 38.3767, 9.2306
YIQ	155.3890, 24.9040, -43.8640

Conversions

Conversions Part 2

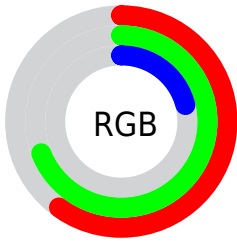
Format	Color
RYB	53, 177, 78
Decimal	10006837
CIELab	68.30, -25.53, 57.48
CIELCh	68, 62.898, 113.952
Yxy	38.3767, 0.3811, 0.4989
Android (android.graphics.Color)	4288196917 (0xFF98B135)
YUV	155.3890, -50.4778, -2.9722
Hunter-Lab	61.9489, -23.9463, 34.5298

Details

The XYZ color **29.3136, 38.3767, 9.2306** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **12.3522, 7.3412, 42.3632**, and the grayscale version is **31.5384, 33.1808, 36.1339**.

A 20% lighter version of the original color is **58.0873, 72.8947, 24.9185**, and **12.1374, 16.9567, 2.6333** is the 20% darker color. If you saturate the color by 10%, you get **28.3216, 37.9053, 7.4376**, and if you desaturate by 10%, it is **30.4779, 38.9221, 11.8180**.

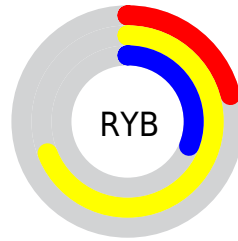
Distribution



Red (60%)

Green (69%)

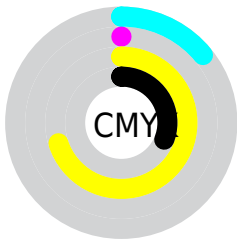
Blue (21%)



Red (21%)

Yellow (69%)

Blue (31%)

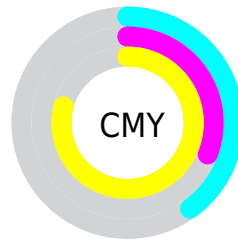


Cyan (14%)

Magenta (0%)

Yellow (70%)

Black (31%)



Cyan (40%)


Magenta (31%)


Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.3136, 38.3767, 9.2306 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 29.3136, 38.3767, 9.2306 by changing the saturation by 10% instead.


 29.3136, 38.3767,
9.2306


 29.3136, 38.3767,
9.2306


290.6593,
339.2332, 195.3699


 19.4637, 26.2752,
4.7930


 57.9691, 72.6852,
24.9227


 12.1118, 17.0296,
2.0697


 77.5053, 95.6609,
37.0143


 6.8926, 10.2556,
0.5977

 101.0011,
123.0301, 52.4944

 3.4407, 5.5688,
0.0000

 128.8216,
155.1773, 71.7814

 1.3909, 2.5847,
0.0000

 161.3324,
192.4868, 95.2939

 0.2497, 0.9190,
0.0000

 198.8987,

 0.0000, 0.0000,

235.3430, 123.4505

0.0000

241.8859,
284.1303, 156.6696

■ 29.3136, 38.3767,
9.2306

■ 29.3136, 38.3767,
9.2306

■ 28.3216, 37.9053,
7.4376

■ 30.4779, 38.9221,
11.8180

■ 27.4815, 37.4955,
6.3443

■ 31.8268, 39.5424,
15.2757

■ 26.7605, 37.1360,
5.7575

■ 33.3744, 40.2445,
19.6734

■ 35.1328, 41.0333,
25.0730

■ 37.1128, 41.9131,
31.5313

■ 39.3246, 42.8881,
39.1007

■ 41.7776, 43.9620,
47.8301

■ 44.4807, 45.1384,
57.7657

■ 47.4423, 46.4206,
68.9509

Harmonies

Analogous

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



38.5083, 38.3767, 7.7241



29.3136, 38.3767, 9.2306



23.2040, 38.3767, 17.3015

Triad

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



29.3136, 38.3767, 9.2306



26.4259, 38.3767, 102.7851



58.7415, 38.3767, 47.7661

Complementary

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



29.3136, 38.3767, 9.2306



12.3522, 7.3412, 42.3632

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.



54.0348, 38.3767, 82.5296



29.3136, 38.3767, 9.2306



34.5163, 38.3767, 122.2803

Square

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



29.3136, 38.3767, 9.2306



21.7589, 38.3767, 67.9054



44.7190, 38.3767, 113.5564



56.6701, 38.3767, 23.4047

Rectangle

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



29.3136, 38.3767, 9.2306



21.1322, 38.3767, 28.5114



44.7190, 38.3767, 113.5564



57.8765, 38.3767, 58.6483

Sweetspot

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



29.3145, 38.3784, 9.2314



65.9788, 74.8460, 54.8496



21.4857, 15.0257, 5.1365



14.0869, 16.1264, 11.1876



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.



29.3145, 38.3784, 9.2314



49.8792, 67.4754, 12.1224



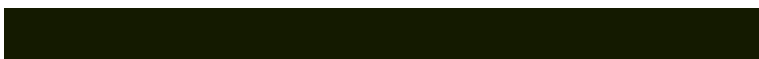
20.6021, 33.8870, 8.8237



9.0259, 9.8184, 9.0720



19.4381, 26.9308, 4.1737



0.6542, 0.8693, 0.1333

Inverse Universe

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



12.3522, 7.3412, 42.3632



17.8141, 8.5108, 75.1991



19.9918, 11.2796, 42.7207



8.1967, 8.3099, 10.6783



6.3104, 2.5889, 30.3041



0.2453, 0.1055, 0.9557

Previews

White Background



This preview shows how the XYZ color 29.3136, 38.3767, 9.2306 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 29.3136, 38.3767, 9.2306 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 29.3136, 38.3767, 9.2306

Background



This preview shows how black text looks on a background with the XYZ color 29.3136, 38.3767, 9.2306.



This preview shows how white text looks on a background with the XYZ color 29.3136, 38.3767,

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

29.3136, 38.3767, 9.2306

Protanopia

34.6441, 38.3068, 8.5856

Deuteranopia

38.7746, 38.0454, 9.5748



Tritanopia

37.0081, 38.1240, 47.5276

Trichromacy



Original Color

29.3136, 38.3767, 9.2306

Protanomaly

32.6160, 38.3635, 8.8178

Deuteranomaly

34.6872, 37.7705, 9.3331

Tritanomaly

32.9188, 37.5430, 27.7018

Monochromacy



Original Color

29.3136, 38.3767, 9.2306

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

29.6936, 34.3724, 22.2091

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3136, 38.3767, 9.2306 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(152, 177, 53)` looks like.

```
.text, #text, p{  
    color:rgb(152, 177, 53)  
}
```

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(152, 177, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 177, 53) }
```

Border

The CSS property to change the border of an element to XYZ 29.3136, 38.3767, 9.2306 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(152, 177, 53) }
```


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

```
.border{ border-color:rgb(152, 177, 53) }
```

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

Here you see how a box with a 4 pixel rgb(152, 177, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 177, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 177, 53);  
box-shadow:4px 4px 4px 4px rgb(152, 177,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3136, 38.3767, 9.2306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 177, 53) }
```

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

```
.background{ background-color: rgb(152,  
177, 53) }
```

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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