

Converting Colors

$Y_{xy}(36.1594, 0.4068, 0.5118)$

Have a look what the booklet for
Yxy(36.1594, 0.4068, 0.5118)
contains.

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Color

Yxy(36.1423, 0.4068, 0.5118)

Conversions

Conversions Part 1

Format	Color
Hex	9FAA0A
RGB	159, 170, 10
RGB Percent	62%, 67%, 4%
CMY	0.3765, 0.3333, 0.9608
CMYK	0.06, 0.00, 0.94, 0.33
HSL	64°, 89%, 35%
HSV	64°, 94%, 67%
XYZ	28.7274, 36.1423, 5.7483
YIQ	148.4710, 44.8040, -52.0920

Conversions

Conversions Part 2

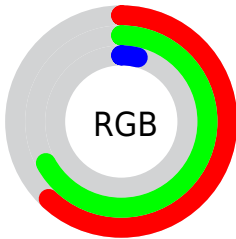
Format	Color
RYB	10, 170, 21
Decimal	10463754
CIELab	66.63, -20.61, 67.43
CIELCh	67, 70.514, 106.993
Yxy	36.1423, 0.4068, 0.5118
Android (android.graphics.Color)	4288653834 (0xFF9FAA0A)
YUV	148.4710, -68.2662, 9.2339
Hunter-Lab	60.1185, -19.9117, 36.4138

Details

The Yxy color **36.1423, 0.4068, 0.5118** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **3.2785, 0.1559, 0.0666**, and the grayscale version is **30.0990, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.1813, 0.3955, 0.4801**, and **15.8404, 0.3980, 0.5222** is the 20% darker color. If you saturate the color by 10%, you get **36.0521, 0.4074, 0.5147**, and if you desaturate by 10%, it is **36.3213, 0.4046, 0.5049**.

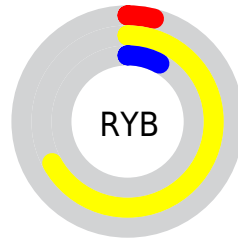
Distribution



Red (62%)

Green (67%)

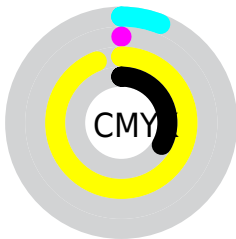
Blue (4%)



Red (4%)

Yellow (67%)

Blue (8%)

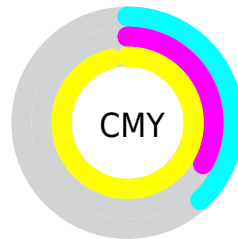


Cyan (6%)

Magenta (0%)

Yellow (94%)

Black (33%)



Cyan (38%)


Magenta (33%)

Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 36.1423, 0.4068, 0.5118 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 Yxy color 36.1423, 0.4068, 0.5118 by changing the saturation by 10% instead.

 36.1423, 0.4068,
0.5118


 36.1423, 0.4068,
0.5118


 329.5821, 0.3675,
0.4206


 24.5441, 0.4117,
0.5314


 69.2516, 0.3957,
0.4803

 15.7377, 0.4146,
0.5535


 91.5316, 0.3904,
0.4679


 9.3388, 0.4167,
0.5833


 118.1409, 0.3856,
0.4571

 4.9628, 0.3995,
0.6005

 149.4640, 0.3812,
0.4478

 2.2254, 0.3714,
0.6286

 185.8853, 0.3773,
0.4397

 0.7338, 0.2094,
0.7906

 227.7891, 0.3737,

 0.0000, 0.0000,

0.4326

0.0000

275.5599, 0.3704,
0.4262

■ 36.1423, 0.4068,
0.5118

■ 36.1423, 0.4068,
0.5118

■ 36.0521, 0.4074,
0.5147

■ 36.3213, 0.4046,
0.5049

■ 36.5452, 0.3999,
0.4937

■ 36.8226, 0.3926,
0.4784

■ 37.1592, 0.3831,
0.4593

■ 37.5600, 0.3718,
0.4374

■ 38.0294, 0.3591,
0.4134

■ 38.5714, 0.3456,
0.3885

■ 39.1898, 0.3318,
0.3634

■ 39.8881, 0.3182,
0.3388

Harmonies

Analogous

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



36.1423, 0.4848, 0.4476



36.1423, 0.4068, 0.5118



36.1423, 0.3111, 0.5233

Triad

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



36.1423, 0.4068, 0.5118



36.1423, 0.1409, 0.2291



36.1423, 0.3927, 0.2434

Complementary

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



36.1423, 0.4068, 0.5118



3.2785, 0.1559, 0.0666

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.



36.1423, 0.2834, 0.1987



36.1423, 0.4068, 0.5118



36.1423, 0.1542, 0.1860

Square

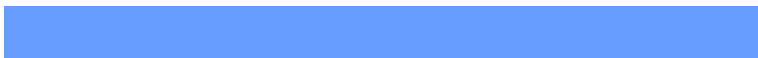
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



36.1423, 0.4068, 0.5118



36.1423, 0.1613, 0.3185



36.1423, 0.2007, 0.1783



36.1423, 0.4875, 0.3048

Rectangle

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



36.1423, 0.4068, 0.5118



36.1423, 0.2486, 0.4782



36.1423, 0.2007, 0.1783



36.1423, 0.3552, 0.2262

Sweetspot

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



36.1440, 0.4068, 0.5118



69.5320, 0.3516, 0.3995



9.0921, 0.6226, 0.3350



15.4155, 0.3572, 0.4100



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



36.1440, 0.4068, 0.5118



65.3696, 0.4072, 0.5149



30.4494, 0.3313, 0.5706



8.7472, 0.3252, 0.3514



26.5285, 0.4076, 0.5146



0.6530, 0.4117, 0.5113

Inverse Universe

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



3.2785, 0.1559, 0.0666



5.3696, 0.1518, 0.0610



5.8665, 0.2225, 0.1028



7.3243, 0.2996, 0.3057



2.2006, 0.1527, 0.0615



0.0610, 0.1651, 0.0683

Previews

White Background



This preview shows how the Yxy color 36.1423, 0.4068, 0.5118 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 Yxy color 36.1423, 0.4068, 0.5118 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](#).

Yxy 36.1423, 0.4068, 0.5118

Background



This preview shows how black text looks on a background with the Yxy color 36.1423, 0.4068, 0.5118.



This preview shows how white text looks on a background with the Yxy color 36.1423, 0.4068, 0.5118.

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

36.1423, 0.4068, 0.5118

Protanopia

35.9079, 0.4410, 0.4880

Deuteranopia

36.0373, 0.4649, 0.4567



Tritanopia

36.0139, 0.3145, 0.3122

Trichromacy



Original Color

36.1423, 0.4068, 0.5118

Protanomaly

35.9177, 0.4280, 0.4970

Deuteranomaly

35.8909, 0.4445, 0.4768

Tritanomaly

35.2260, 0.3634, 0.4028

Monochromacy



Original Color

36.1423, 0.4068, 0.5118

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

31.3342, 0.3627, 0.4203

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.1423, 0.4068, 0.5118 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(159, 170, 10)` looks like.

```
.text, #text, p{  
    color:rgb(159, 170, 10)  
}
```

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(159, 170, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 170, 10) }
```

Border

The CSS property to change the border of an element to Yxy 36.1423, 0.4068, 0.5118 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(159, 170, 10) }
```

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

```
.border{ border-color:rgb(159, 170, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 170, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 170, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 170, 10);  
box-shadow:4px 4px 4px 4px rgb(159, 170,  
10) }
```


Background

The CSS property to change the background color of an element to Yxy 36.1423, 0.4068, 0.5118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 170, 10) }
```

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

```
.background{ background-color: rgb(159,  
170, 10) }
```

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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