

Converting Colors

$Yxy(38.2408, 0.2993, 0.5275)$

Have a look what the booklet for
Yxy(38.2408, 0.2993, 0.5275)
contains.

Yxy(38.4318, 0.2994, 0.5279)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(38.4318, 0.2994, 0.5279)

Conversions

Conversions Part 1

Format	Color
Hex	41BE49
RGB	65, 190, 73
RGB Percent	25%, 75%, 29%
CMY	0.7450, 0.2549, 0.7137
CMYK	0.66, 0.00, 0.62, 0.25
HSL	124°, 49%, 50%
HSV	124°, 66%, 75%
XYZ	21.7967, 38.4318, 12.5728
YIQ	139.2870, -36.9430, -62.8870

Conversions

Conversions Part 2

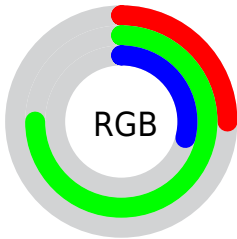
Format	Color
RYB	65, 182, 190
Decimal	4308553
CIELab	68.34, -57.48, 48.02
CIELCh	68, 74.896, 140.124
Yxy	38.4318, 0.2994, 0.5279
Android (android.graphics.Color)	4282498633 (0xFF41BE49)
YUV	139.2870, -32.6795, -65.1497
Hunter-Lab	61.9934, -45.7283, 31.3709

Details

The Yxy color **38.4318, 0.2994, 0.5279** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **18.1075, 0.3297, 0.1891**, and the grayscale version is **26.0766, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.5399, 0.3059, 0.4847**, and **17.3684, 0.2966, 0.5877** is the 20% darker color. If you saturate the color by 10%, you get **37.6871, 0.2986, 0.5561**, and if you desaturate by 10%, it is **39.4652, 0.3008, 0.4957**.

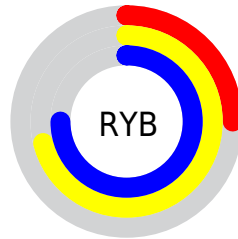
Distribution



Red (25%)

Green (75%)

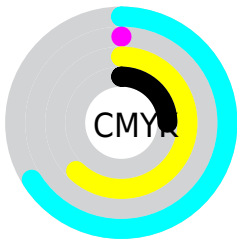
Blue (29%)



Red (25%)

Yellow (71%)

Blue (75%)

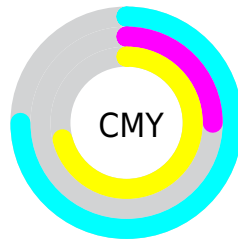


Cyan (66%)

Magenta (0%)

Yellow (62%)

Black (25%)



Cyan (75%)


Magenta (25%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.4318, 0.2994, 0.5279 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 38.4318, 0.2994, 0.5279 by changing the saturation by 10% instead.


 38.4318, 0.2994,
0.5279


 38.4318, 0.2994,
0.5279


339.4687, 0.3126,
0.4176


 26.3180, 0.2932,
0.5582


 72.7695, 0.3062,
0.4855


 17.0617, 0.2832,
0.5980


 95.7622, 0.3081,
0.4703


 10.2785, 0.2661,
0.6517


 123.1499, 0.3095,
0.4576

 5.5840, 0.2433,
0.7488

 155.3171, 0.3105,
0.4470

 2.5938, 0.1687,
0.8313

 192.6482, 0.3113,
0.4380

 0.9236, 0.0000,
1.0000

235.5276, 0.3118,

 0.0000, 0.0000,

0.4303

0.0000

284.3396, 0.3123,
0.4235

■ 38.4318, 0.2994,
0.5279

■ 38.4318, 0.2994,
0.5279

■ 37.6871, 0.2986,
0.5561

■ 39.4652, 0.3008,
0.4957

■ 37.1975, 0.2984,
0.5780

■ 40.8074, 0.3027,
0.4618

■ 36.9290, 0.2989,
0.5922

■ 42.4823, 0.3048,
0.4283

■ 36.8549, 0.2989,
0.5961

■ 44.5101, 0.3071,
0.3968

■ 46.9094, 0.3093,
0.3680

■ 49.6973, 0.3115,
0.3424

■ 52.8902, 0.3136,
0.3199

■ 56.5033, 0.3154,
0.3004

■ 60.5510, 0.3172,
0.2836

Harmonies

Analogous

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



38.4318, 0.3987, 0.5229



38.4318, 0.2994, 0.5279



38.4318, 0.2087, 0.4336

Triad

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



38.4318, 0.2994, 0.5279



38.4318, 0.1528, 0.1791



38.4318, 0.5014, 0.3104

Complementary

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



38.4318, 0.2994, 0.5279



18.1075, 0.3297, 0.1891

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.



38.4318, 0.4077, 0.2464



38.4318, 0.2994, 0.5279



38.4318, 0.2040, 0.1747

Square

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



38.4318, 0.2994, 0.5279



38.4318, 0.1357, 0.2184



38.4318, 0.2930, 0.1984



38.4318, 0.5264, 0.3817

Rectangle

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



38.4318, 0.2994, 0.5279



38.4318, 0.1664, 0.3456



38.4318, 0.2930, 0.1984



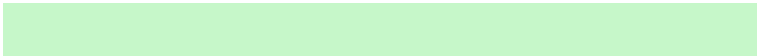
38.4318, 0.4762, 0.2879

Sweetspot

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



38.4334, 0.2994, 0.5279



82.9443, 0.3083, 0.3807



47.3697, 0.3966, 0.4807



17.9463, 0.3077, 0.3890



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



38.4334, 0.2994, 0.5279



67.8395, 0.2984, 0.5668



39.6668, 0.2665, 0.4249



10.6593, 0.3108, 0.3512



24.5100, 0.2987, 0.5952



0.9635, 0.2936, 0.5769

Inverse Universe

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



18.1075, 0.3297, 0.1891



28.2787, 0.3334, 0.1724



16.1165, 0.4249, 0.2575



9.6855, 0.3147, 0.3078



9.4171, 0.3374, 0.1632



0.3721, 0.3331, 0.1609

Previews

White Background



This preview shows how the Yxy color 38.4318, 0.2994, 0.5279 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 38.4318, 0.2994, 0.5279 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 38.4318, 0.2994, 0.5279

Background



This preview shows how black text looks on a background with the Yxy color 38.4318, 0.2994, 0.5279.



This preview shows how white text looks on a background with the Yxy color 38.4318, 0.2994, 0.5279.

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

38.4318, 0.2994, 0.5279

Protanopia

37.8561, 0.4148, 0.4567

Deuteranopia

37.4350, 0.4294, 0.4203



Tritanopia

38.1879, 0.2445, 0.3075

Trichromacy



Original Color

38.4318, 0.2994, 0.5279



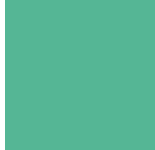
Protanomaly

36.7523, 0.3631, 0.4873



Deuteranomaly

35.7128, 0.3721, 0.4625



Tritanomaly

37.5571, 0.2649, 0.3841

Monochromacy



Original Color

38.4318, 0.2994, 0.5279



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

29.1363, 0.3064, 0.4057

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4318, 0.2994, 0.5279 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(65, 190, 73)` looks like.

```
.text, #text, p{  
    color:rgb(65, 190, 73)  
}
```

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(65, 190, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 190, 73) }
```

Border

The CSS property to change the border of an element to Yxy 38.4318, 0.2994, 0.5279 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(65, 190, 73) }
```

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

```
.border{ border-color:rgb(65, 190, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 190, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 190, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 190, 73);  
box-shadow:4px 4px 4px 4px rgb(65, 190,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4318, 0.2994, 0.5279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 190, 73) }
```

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

```
.background{ background-color: rgb(65, 190,  
73) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor