

Converting Colors

$Yxy(38.4557, 0.2977, 0.5457)$

Have a look what the booklet for
Yxy(38.4557, 0.2977, 0.5457)
contains.

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Color

Yxy(38.3243, 0.2976, 0.5458)

Conversions

Conversions Part 1

Format	Color
Hex	33BF3F
RGB	51, 191, 63
RGB Percent	20%, 75%, 25%
CMY	0.7996, 0.2510, 0.7530
CMYK	0.73, 0.00, 0.67, 0.25
HSL	125°, 58%, 47%
HSV	125°, 73%, 75%
XYZ	20.8965, 38.3243, 10.9959
YIQ	134.5480, -42.3520, -69.4880

Conversions

Conversions Part 2

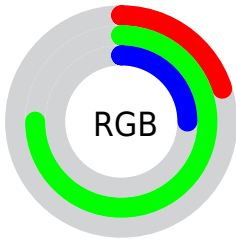
Format	Color
RYB	51, 180, 191
Decimal	3391295
CIELab	68.26, -61.41, 52.14
CIELCh	68, 80.558, 139.669
Yxy	38.3243, 0.2976, 0.5458
Android (android.graphics.Color)	4281581375 (0xFF33BF3F)
YUV	134.5480, -35.2732, -73.2716
Hunter-Lab	61.9066, -48.0841, 32.8035

Details

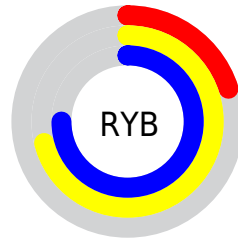
The Yxy color **38.3243, 0.2976, 0.5458** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **16.7115, 0.3356, 0.1820**, and the grayscale version is **24.2074, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.8639, 0.3056, 0.5004**, and **17.6083, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **37.7613, 0.2975, 0.5699**, and if you desaturate by 10%, it is **39.1563, 0.2985, 0.5163**.

Distribution



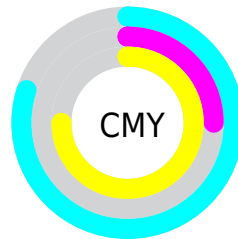
- Red (20%)
- Green (75%)
- Blue (25%)



- Red (20%)
- Yellow (71%)
- Blue (75%)



- Cyan (73%)
- Magenta (0%)
- Yellow (67%)
- Black (25%)




- Cyan (80%)
- Magenta (25%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.3243, 0.2976, 0.5458 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 38.3243, 0.2976, 0.5458 by changing the saturation by 10% instead.


 38.3243, 0.2976,
0.5458

 38.3243, 0.2976,
0.5458


339.0091, 0.3131,
0.4254

 26.2345, 0.2902,
0.5786


 72.6049, 0.3056,
0.4997

 16.9991, 0.2784,
0.6213


 95.5645, 0.3079,
0.4830


 10.2339, 0.2583,
0.6777


 122.9162, 0.3095,
0.4692

 5.5543, 0.2286,
0.7714

 155.0443, 0.3107,
0.4576

 2.5760, 0.1408,
0.8592

 192.3333, 0.3115,
0.4478

 0.9146, 0.0000,
1.0000

235.1674, 0.3122,

 0.0000, 0.0000,

0.4393

0.0000

283.9313, 0.3127,
0.4319

■ 38.3243, 0.2976,
0.5458

■ 38.3243, 0.2976,
0.5458

■ 37.7613, 0.2975,
0.5699

■ 39.1563, 0.2985,
0.5163

■ 37.4296, 0.2981,
0.5871

■ 40.2801, 0.3000,
0.4838

■ 37.2989, 0.2985,
0.5945

■ 41.7214, 0.3021,
0.4504

■ 43.5016, 0.3045,
0.4180

■ 45.6407, 0.3070,
0.3878

■ 48.1566, 0.3095,
0.3605

■ 51.0664, 0.3119,
0.3362

■ 54.3859, 0.3143,
0.3150

■ 58.1303, 0.3164,
0.2966

Harmonies

Analogous

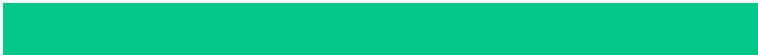
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.3243, 0.4023, 0.5342



38.3243, 0.2976, 0.5458



38.3243, 0.2019, 0.4446

Triad

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



38.3243, 0.2976, 0.5458



38.3243, 0.1436, 0.1706



38.3243, 0.5143, 0.3063

Complementary

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



38.3243, 0.2976, 0.5458



16.7115, 0.3356, 0.1820

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.



38.3243, 0.4125, 0.2401



38.3243, 0.2976, 0.5458



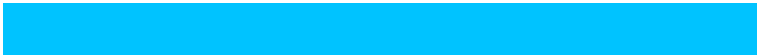
38.3243, 0.1960, 0.1661

Square

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



38.3243, 0.2976, 0.5458



38.3243, 0.1262, 0.2113



38.3243, 0.2892, 0.1904



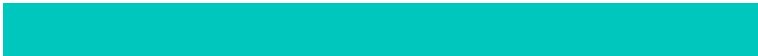
38.3243, 0.5403, 0.3801

Rectangle

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



38.3243, 0.2976, 0.5458



38.3243, 0.1577, 0.3477



38.3243, 0.2892, 0.1904



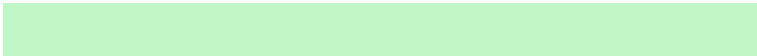
38.3243, 0.4870, 0.2831

Sweetspot

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



38.3259, 0.2976, 0.5458



82.1213, 0.3072, 0.3852



47.1249, 0.3978, 0.4947



17.7841, 0.3065, 0.3932



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.



38.3259, 0.2976, 0.5458



67.2219, 0.2978, 0.5814



39.6525, 0.2623, 0.4295



10.6624, 0.3105, 0.3506



24.5180, 0.2982, 0.5934



0.9649, 0.2916, 0.5697

Inverse Universe

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



16.7115, 0.3356, 0.1820



26.3994, 0.3406, 0.1695



14.5649, 0.4540, 0.2598



9.6819, 0.3150, 0.3083



9.3133, 0.3432, 0.1664



0.3690, 0.3373, 0.1632

Previews

White Background



This preview shows how the Yxy color 38.3243, 0.2976, 0.5458 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 38.3243, 0.2976, 0.5458 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 38.3243, 0.2976, 0.5458

Background



This preview shows how black text looks on a background with the Yxy color 38.3243, 0.2976, 0.5458.



This preview shows how white text looks on a background with the Yxy color 38.3243, 0.2976, 0.5458.

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

38.3243, 0.2976, 0.5458

Protanopia

37.5101, 0.4226, 0.4638

Deuteranopia

37.4457, 0.4373, 0.4288



Tritanopia

38.2641, 0.2407, 0.3074

Trichromacy



Original Color

38.3243, 0.2976, 0.5458



Protanomaly

35.8221, 0.3643, 0.5005



Deuteranomaly

35.1140, 0.3730, 0.4762



Tritanomaly

37.4788, 0.2623, 0.3917

Monochromacy



Original Color

38.3243, 0.2976, 0.5458



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

27.4899, 0.3041, 0.4141

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.3243, 0.2976, 0.5458 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(51, 191, 63)` looks like.

```
.text, #text, p{  
    color:rgb(51, 191, 63)  
}
```

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(51, 191, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 191, 63) }
```

Border

The CSS property to change the border of an element to Yxy 38.3243, 0.2976, 0.5458 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(51, 191, 63) }
```

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

```
.border{ border-color:rgb(51, 191, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 191, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 191, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 191, 63);  
box-shadow:4px 4px 4px 4px rgb(51, 191,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 38.3243, 0.2976, 0.5458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 191, 63) }
```

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

```
.background{ background-color: rgb(51, 191,  
63) }
```

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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