

# Converting Colors

$Yxy(38.3497, 0.3021, 0.5545)$

Have a look what the booklet for  
Yxy(38.3497, 0.3021, 0.5545)  
contains.

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**Color**

**Yxy(38.3497, 0.3021, 0.5545)**

# Conversions

## Conversions Part 1

Format	Color
Hex	37BF37
RGB	55, 191, 55
RGB Percent	22%, 75%, 22%
CMY	0.7846, 0.2510, 0.7842
CMYK	0.71, 0.00, 0.71, 0.25
HSL	120°, 55%, 48%
HSV	120°, 71%, 75%
XYZ	20.8935, 38.3497, 9.9177
YIQ	134.8320, -37.4000, -71.1280

# Conversions

## Conversions Part 2

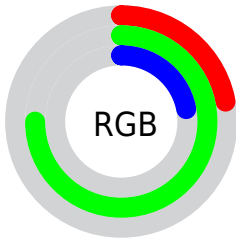
Format	Color
<a href="#">RYB</a>	<a href="#">55, 191, 191</a>
Decimal	<a href="#">3653431</a>
CIELab	<a href="#">68.28, -61.51, 55.32</a>
CIELCh	<a href="#">68, 82.724, 138.031</a>
Yxy	<a href="#">38.3497, 0.3021, 0.5545</a>
Android (android.graphics.Color)	<a href="#">4281843511</a> ( <a href="#">0xFF37BF37</a> )
YUV	<a href="#">134.8320, -39.3572, -70.0127</a>
Hunter-Lab	<a href="#">61.9271, -48.1487, 33.8537</a>

# Details

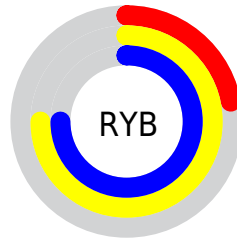
The Yxy color **38.3497, 0.3021, 0.5545** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **17.5612, 0.3201, 0.1743**, and the grayscale version is **24.3166, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.9204, 0.3100, 0.5077**, and **17.6083, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **37.7640, 0.3010, 0.5779**, and if you desaturate by 10%, it is **39.2180, 0.3035, 0.5244**.

# Distribution



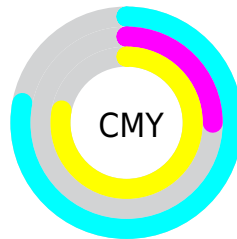
- Red (22%)
- Green (75%)
- Blue (22%)



- Red (22%)
- Yellow (75%)
- Blue (75%)



- Cyan (71%)
- Magenta (0%)
- Yellow (71%)
- Black (25%)



- Cyan (78%)
- Magenta (25%)
- Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 38.3497, 0.3021, 0.5545 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 38.3497, 0.3021, 0.5545 by changing the saturation by 10% instead.





 38.3497, 0.3021,  
0.5545


 38.3497, 0.3021,  
0.5545


339.1177, 0.3161,  
0.4297


 26.2542, 0.2947,  
0.5880


 72.6438, 0.3099,  
0.5070


 17.0139, 0.2825,  
0.6312


 95.6112, 0.3119,  
0.4897

 10.2444, 0.2619,  
0.6880


 122.9714, 0.3134,  
0.4753

 5.5613, 0.2283,  
0.7717

 155.1088, 0.3143,  
0.4633

 2.5802, 0.1405,  
0.8595

 192.4077, 0.3150,  
0.4530

 0.9167, 0.0000,  
1.0000

 235.2526, 0.3155,

 0.0000, 0.0000,

0.4442

0.0000

284.0278, 0.3159,  
0.4365

■ 38.3497, 0.3021,  
0.5545

■ 38.3497, 0.3021,  
0.5545

■ 37.7640, 0.3010,  
0.5779

■ 39.2180, 0.3035,  
0.5244

■ 37.4216, 0.3003,  
0.5928

■ 40.3929, 0.3051,  
0.4901


■ 37.2652, 0.3000,  
0.6000

■ 41.9013, 0.3068,  
0.4545


■ 43.7659, 0.3084,  
0.4197

■ 46.0073, 0.3100,  
0.3872

 48.6447, 0.3114,  
0.3579

 51.6958, 0.3126,  
0.3320

 55.1775, 0.3136,  
0.3095

 59.1054, 0.3146,  
0.2901

# Harmonies

## Analogous

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



38.3497, 0.4085, 0.5352



38.3497, 0.3021, 0.5545



38.3497, 0.2035, 0.4560

# Triad

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



38.3497, 0.3021, 0.5545



38.3497, 0.1386, 0.1686



38.3497, 0.5154, 0.3012

# Complementary

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



38.3497, 0.3021, 0.5545



17.5612, 0.3201, 0.1743

# 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.



38.3497, 0.4080, 0.2348



38.3497, 0.3021, 0.5545



38.3497, 0.1895, 0.1625

# Square

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



38.3497, 0.3021, 0.5545



38.3497, 0.1227, 0.2119



38.3497, 0.2822, 0.1857



38.3497, 0.5461, 0.3755



# Rectangle

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



38.3497, 0.3021, 0.5545



38.3497, 0.1571, 0.3557



38.3497, 0.2822, 0.1857



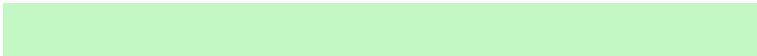
38.3497, 0.4861, 0.2779

# Sweetspot

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



38.3513, 0.3021, 0.5545



82.3522, 0.3100, 0.3875



48.6175, 0.4070, 0.4849



17.8225, 0.3095, 0.3962



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.



38.3513, 0.3021, 0.5545



67.2661, 0.3006, 0.5866



39.5045, 0.2690, 0.4470



10.6497, 0.3116, 0.3527



24.4881, 0.3000, 0.5999



0.9593, 0.2999, 0.5997



# Inverse Universe

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



17.5612, 0.3201, 0.1743



27.8957, 0.3208, 0.1599



15.2325, 0.4267, 0.2460



9.6962, 0.3138, 0.3064



9.7477, 0.3211, 0.1542



0.3819, 0.3210, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 38.3497, 0.3021, 0.5545 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 38.3497, 0.3021, 0.5545 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 38.3497, 0.3021, 0.5545**

## **Background**



This preview shows how black text looks on a background with the Yxy color 38.3497, 0.3021, 0.5545.



This preview shows how white text looks on a background with the Yxy color 38.3497, 0.3021, 0.5545.

# 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

38.3497, 0.3021, 0.5545

### Protanopia

37.4380, 0.4267, 0.4699

### Deuteranopia

37.4983, 0.4433, 0.4346



## Tritanopia

38.0182, 0.2419, 0.3059

# Trichromacy



## Original Color

38.3497, 0.3021, 0.5545



## Protanomaly

35.9144, 0.3702, 0.5072



## Deuteranomaly

35.2188, 0.3793, 0.4830



## Tritanomaly

37.5124, 0.2657, 0.3968

# Monochromacy



## Original Color

38.3497, 0.3021, 0.5545



## Achromatopsia

24.2281, 0.3127, 0.3290



## Achromatomaly

27.5475, 0.3085, 0.4193

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 38.3497, 0.3021, 0.5545 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(55, 191, 55)` looks like.

```
.text, #text, p{  
    color:rgb(55, 191, 55)  
}
```

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(55, 191, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 191, 55) }
```

## Border

The CSS property to change the border of an element to Yxy 38.3497, 0.3021, 0.5545 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(55, 191, 55) }
```

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

```
.border{ border-color:rgb(55, 191, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 191, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 191, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 191, 55);  
box-shadow:4px 4px 4px 4px rgb(55, 191,  
55) }
```



# Background

The CSS property to change the background color of an element to Yxy 38.3497, 0.3021, 0.5545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 191, 55) }
```

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

```
.background{ background-color: rgb(55, 191,  
55) }
```

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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