

Converting Colors

$Y_{xy}(38.1902, 0.3127, 0.5559)$

Have a look what the booklet for
Yxy(38.1902, 0.3127, 0.5559)
contains.

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Color

Yxy(38.4180, 0.3128, 0.5559)

Conversions

Conversions Part 1

Format	Color
Hex	48BE30
RGB	72, 190, 48
RGB Percent	28%, 75%, 19%
CMY	0.7178, 0.2549, 0.8117
CMYK	0.62, 0.00, 0.75, 0.25
HSL	110°, 60%, 47%
HSV	110°, 75%, 75%
XYZ	21.6175, 38.4180, 9.0741
YIQ	138.5300, -24.7460, -69.1780

Conversions

Conversions Part 2

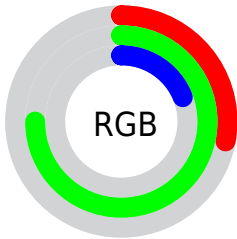
Format	Color
RYB	48, 190, 166
Decimal	4767280
CIELab	68.33, -58.28, 58.03
CIELCh	68, 82.243, 135.120
Yxy	38.4180, 0.3128, 0.5559
Android (android.graphics.Color)	4282957360 (0xFF48BE30)
YUV	138.5300, -44.6313, -58.3468
Hunter-Lab	61.9823, -46.2137, 34.7076

Details

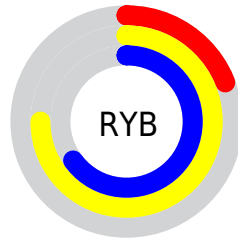
The Yxy color **38.4180, 0.3128, 0.5559** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **13.9480, 0.2897, 0.1548**, and the grayscale version is **25.8079, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.5893, 0.3191, 0.5080**, and **17.3279, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **37.7641, 0.3099, 0.5772**, and if you desaturate by 10%, it is **39.2982, 0.3150, 0.5283**.

Distribution



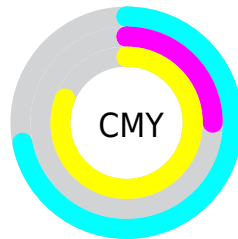
- Red (28%)
- Green (75%)
- Blue (19%)



- Red (19%)
- Yellow (75%)
- Blue (65%)



- Cyan (62%)
- Magenta (0%)
- Yellow (75%)
- Black (25%)





- Cyan (72%)
- Magenta (25%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.4180, 0.3128, 0.5559 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 38.4180, 0.3128, 0.5559 by changing the saturation by 10% instead.


 38.4180, 0.3128,
0.5559


 38.4180, 0.3128,
0.5559


339.4097, 0.3218,
0.4314


 26.3073, 0.3064,
0.5887


 72.7484, 0.3189,
0.5089


 17.0537, 0.2952,
0.6304


 95.7368, 0.3203,
0.4916


 10.2728, 0.2764,
0.6861


 123.1199, 0.3212,
0.4773

 5.5802, 0.2419,
0.7581

 155.2821, 0.3216,
0.4652

 2.5915, 0.1633,
0.8367

 192.6078, 0.3219,
0.4549

 0.9224, 0.0000,
1.0000

 235.4814, 0.3219,

 0.0000, 0.0000,

0.4459

0.0000

284.2872, 0.3219,
0.4382

■ 38.4180, 0.3128,
0.5559

■ 38.4180, 0.3128,
0.5559

■ 37.7641, 0.3099,
0.5772

■ 39.2982, 0.3150,
0.5283

■ 37.3103, 0.3066,
0.5909

■ 40.4186, 0.3163,
0.4964

■ 37.1375, 0.3051,
0.5960

■ 41.7971, 0.3168,
0.4626

■ 43.4489, 0.3166,
0.4289

■ 45.3879, 0.3159,
0.3969

■ 47.6269, 0.3148,
0.3673

■ 50.1781, 0.3134,
0.3406

■ 53.0529, 0.3119,
0.3169

■ 56.2622, 0.3104,
0.2961

Harmonies

Analogous

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



38.4180, 0.4182, 0.5281



38.4180, 0.3128, 0.5559



38.4180, 0.2125, 0.4688

Triad

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



38.4180, 0.3128, 0.5559



38.4180, 0.1364, 0.1717



38.4180, 0.5066, 0.2947

Complementary

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



38.4180, 0.3128, 0.5559



13.9480, 0.2897, 0.1548

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.



38.4180, 0.3949, 0.2296



38.4180, 0.3128, 0.5559



38.4180, 0.1835, 0.1625

Square

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



38.4180, 0.3128, 0.5559



38.4180, 0.1238, 0.2194



38.4180, 0.2716, 0.1829



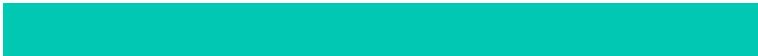
38.4180, 0.5457, 0.3681

Rectangle

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



38.4180, 0.3128, 0.5559



38.4180, 0.1634, 0.3698



38.4180, 0.2716, 0.1829



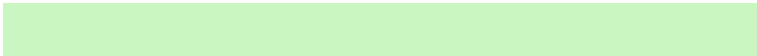
38.4180, 0.4751, 0.2717

Sweetspot

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



38.4196, 0.3128, 0.5559



83.1546, 0.3157, 0.3896



37.7040, 0.4327, 0.4656



18.0288, 0.3159, 0.3980



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.



38.4196, 0.3128, 0.5559



67.8377, 0.3077, 0.5873



38.2488, 0.2827, 0.5003



10.7249, 0.3141, 0.3525



24.7162, 0.3057, 0.5955



0.9925, 0.3202, 0.5840

Inverse Universe

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



13.9480, 0.2897, 0.1548



21.0959, 0.2823, 0.1362



15.1094, 0.3872, 0.2134



9.6127, 0.3111, 0.3062



7.3329, 0.2791, 0.1311



0.3092, 0.2897, 0.1370

Previews

White Background



This preview shows how the Yxy color 38.4180, 0.3128, 0.5559 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 38.4180, 0.3128, 0.5559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

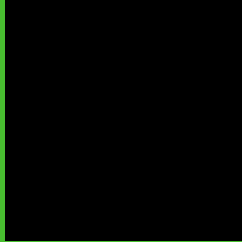
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.4180, 0.3128, 0.5559

Background



This preview shows how black text looks on a background with the Yxy color 38.4180, 0.3128, 0.5559.



This preview shows how white text looks on a background with the Yxy color 38.4180, 0.3128, 0.5559.

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

38.4180, 0.3128, 0.5559

Protanopia

37.8787, 0.4295, 0.4742

Deuteranopia

37.5727, 0.4482, 0.4391



Tritanopia

38.0894, 0.2481, 0.3076

Trichromacy



Original Color

38.4180, 0.3128, 0.5559



Protanomaly

36.8615, 0.3794, 0.5093



Deuteranomaly

35.8296, 0.3905, 0.4857



Tritanomaly

37.5953, 0.2753, 0.4011

Monochromacy



Original Color

38.4180, 0.3128, 0.5559



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

29.1392, 0.3167, 0.4214

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4180, 0.3128, 0.5559 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(72, 190, 48)` looks like.

```
.text, #text, p{  
    color:rgb(72, 190, 48)  
}
```

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(72, 190, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 190, 48) }
```

Border

The CSS property to change the border of an element to Yxy 38.4180, 0.3128, 0.5559 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(72, 190, 48) }
```

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

```
.border{ border-color:rgb(72, 190, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 190, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 190, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 190, 48);  
box-shadow:4px 4px 4px 4px rgb(72, 190,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4180, 0.3128, 0.5559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 190, 48) }
```

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

```
.background{ background-color: rgb(72, 190,  
48) }
```

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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