

Converting Colors

$Yxy(38.5775, 0.3172, 0.4838)$

Have a look what the booklet for
Yxy(38.5775, 0.3172, 0.4838)
contains.

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Color

Yxy(38.5619, 0.3173, 0.4844)

Conversions

Conversions Part 1

Format	Color
Hex	6BB95A
RGB	107, 185, 90
RGB Percent	42%, 73%, 35%
CMY	0.5803, 0.2745, 0.6470
CMYK	0.42, 0.00, 0.51, 0.27
HSL	109°, 40%, 54%
HSV	109°, 51%, 73%
XYZ	25.2595, 38.5619, 15.7862
YIQ	150.8480, -15.9930, -46.0810

Conversions

Conversions Part 2

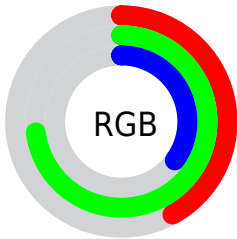
Format	Color
RYB	90, 185, 168
Decimal	7059802
CIELab	68.43, -42.47, 40.51
CIELCh	68, 58.690, 136.356
Yxy	38.5619, 0.3173, 0.4844
Android (android.graphics.Color)	4285249882 (0xFF6BB95A)
YUV	150.8480, -29.9981, -38.4547
Hunter-Lab	62.0982, -36.0641, 28.3965

Details

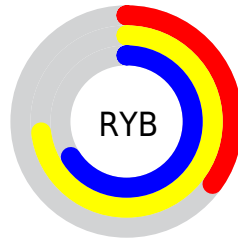
The Yxy color **38.5619, 0.3173, 0.4844** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **19.1408, 0.2982, 0.1998**, and the grayscale version is **31.0174, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.1386, 0.3188, 0.4524**, and **17.0896, 0.3108, 0.5384** is the 20% darker color. If you saturate the color by 10%, you get **37.4264, 0.3163, 0.5170**, and if you desaturate by 10%, it is **39.9445, 0.3174, 0.4506**.

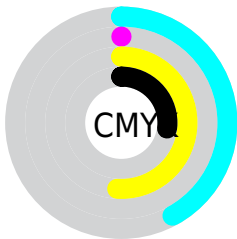
Distribution



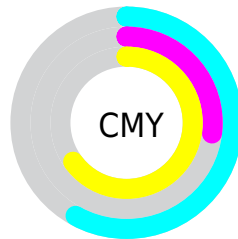
- Red (42%)
- Green (73%)
- Blue (35%)



- Red (35%)
- Yellow (73%)
- Blue (66%)



- Cyan (42%)
- Magenta (0%)
- Yellow (51%)
- Black (27%)





- Cyan (58%)
- Magenta (27%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.5619, 0.3173, 0.4844 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 38.5619, 0.3173, 0.4844 by changing the saturation by 10% instead.

 38.5619, 0.3173,
0.4844

 38.5619, 0.3173,
0.4844


340.0243, 0.3188,
0.3994


 26.4191, 0.3151,
0.5077


 72.9686, 0.3190,
0.4519

 17.1374, 0.3111,
0.5385


 96.0012, 0.3193,
0.4402

 10.3325, 0.3032,
0.5807


 123.4326, 0.3194,
0.4304

 5.6200, 0.2883,
0.6435

 155.6471, 0.3194,
0.4222

 2.6154, 0.2569,
0.7431

193.0291, 0.3193,
0.4153

 0.9344, 0.0000,
1.0000

235.9631, 0.3192,

 0.0000, 0.0000,

0.4092

0.0000

284.8333, 0.3190,
0.4040

■ 38.5619, 0.3173,
0.4844

■ 38.5619, 0.3173,
0.4844

■ 37.4264, 0.3163,
0.5170

■ 39.9445, 0.3174,
0.4506

■ 36.5184, 0.3145,
0.5463

■ 41.5825, 0.3169,
0.4175

■ 35.8234, 0.3118,
0.5699

■ 43.4900, 0.3159,
0.3864

■ 35.3228, 0.3085,
0.5864

■ 45.6784, 0.3145,
0.3578

■ 35.0237, 0.3057,
0.5955

■ 48.1587, 0.3129,
0.3322

■ 50.9412, 0.3113,
0.3096

■ 54.0355, 0.3095,
0.2897

■ 57.4510, 0.3079,
0.2723

■ 61.0991, 0.3073,
0.2586

Harmonies

Analogous

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



38.5619, 0.3979, 0.4813



38.5619, 0.3173, 0.4844



38.5619, 0.2398, 0.4207

Triad

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



38.5619, 0.3173, 0.4844



38.5619, 0.1769, 0.2091



38.5619, 0.4542, 0.3104

Complementary

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



38.5619, 0.3173, 0.4844



19.1408, 0.2982, 0.1998

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.



38.5619, 0.3771, 0.2563



38.5619, 0.3173, 0.4844



38.5619, 0.2176, 0.2004

Square

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



38.5619, 0.3173, 0.4844



38.5619, 0.1662, 0.2491



38.5619, 0.2879, 0.2175



38.5619, 0.4847, 0.3716

Rectangle

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



38.5619, 0.3173, 0.4844



38.5619, 0.2007, 0.3566



38.5619, 0.2879, 0.2175



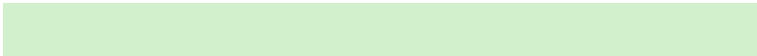
38.5619, 0.4323, 0.2912

Sweetspot

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



38.5635, 0.3173, 0.4844



80.2195, 0.3151, 0.3686



38.9054, 0.3976, 0.4324



17.1169, 0.3154, 0.3746



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



38.5635, 0.3173, 0.4844



66.7307, 0.3161, 0.5222



38.2307, 0.2867, 0.4392



10.1354, 0.3142, 0.3524



23.8709, 0.3063, 0.5950



0.8653, 0.3225, 0.5822

Inverse Universe

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



19.1408, 0.2982, 0.1998



27.9303, 0.2932, 0.1746



19.9922, 0.3570, 0.2413



9.0792, 0.3110, 0.3063



6.9511, 0.2766, 0.1297



0.2666, 0.2887, 0.1364

Previews

White Background



This preview shows how the Yxy color 38.5619, 0.3173, 0.4844 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 38.5619, 0.3173, 0.4844 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 38.5619, 0.3173, 0.4844

Background



This preview shows how black text looks on a background with the Yxy color 38.5619, 0.3173, 0.4844.



This preview shows how white text looks on a background with the Yxy color 38.5619, 0.3173, 0.4844.

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

38.5619, 0.3173, 0.4844

Protanopia

37.9798, 0.4013, 0.4384

Deuteranopia

37.8733, 0.4157, 0.4064



Tritanopia

38.2629, 0.2631, 0.3081

Trichromacy



Original Color

38.5619, 0.3173, 0.4844

Protanomaly

37.5276, 0.3670, 0.4569

Deuteranomaly

37.0289, 0.3758, 0.4354

Tritanomaly

37.9593, 0.2834, 0.3703

Monochromacy



Original Color

38.5619, 0.3173, 0.4844

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

32.9303, 0.3157, 0.3843

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.5619, 0.3173, 0.4844 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(107, 185, 90)` looks like.

```
.text, #text, p{  
    color:rgb(107, 185, 90)  
}
```

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(107, 185, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 185, 90) }
```

Border

The CSS property to change the border of an element to Yxy 38.5619, 0.3173, 0.4844 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(107, 185, 90) }
```

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

```
.border{ border-color:rgb(107, 185, 90) }
```

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

Here you see how a box with a 4 pixel rgb(107, 185, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 185, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 185, 90);  
box-shadow:4px 4px 4px 4px rgb(107, 185,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 38.5619, 0.3173, 0.4844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 185, 90) }
```

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

```
.background{ background-color: rgb(107,  
185, 90) }
```

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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