

Converting Colors

Yxy(38.9833, 0.2923, 0.4558)

Have a look what the booklet for
Yxy(38.9833, 0.2923, 0.4558)
contains.

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Color

Yxy(38.9346, 0.2926, 0.4555)

Conversions

Conversions Part 1

Format	Color
Hex	5BBB70
RGB	91, 187, 112
RGB Percent	36%, 73%, 44%
CMY	0.6431, 0.2667, 0.5607
CMYK	0.51, 0.00, 0.40, 0.27
HSL	133°, 41%, 55%
HSV	133°, 51%, 73%
XYZ	25.0105, 38.9346, 21.5316
YIQ	149.7460, -33.1410, -43.6770

Conversions

Conversions Part 2

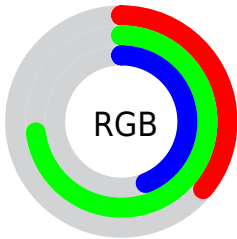
Format	Color
RYB	91, 170, 187
Decimal	6011760
CIELab	68.70, -44.70, 29.52
CIELCh	69, 53.568, 146.558
Yxy	38.9346, 0.2926, 0.4555
Android (android.graphics.Color)	4284201840 (0xFF5BBB70)
YUV	149.7460, -18.6088, -51.5202
Hunter-Lab	62.3976, -37.6487, 23.2191

Details

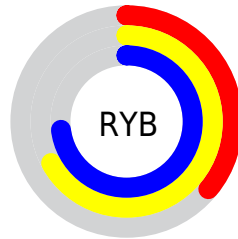
The Yxy color **38.9346, 0.2926, 0.4555** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **20.8009, 0.3444, 0.2302**, and the grayscale version is **30.4787, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.5847, 0.2982, 0.4296**, and **17.3951, 0.2819, 0.5009** is the 20% darker color. If you saturate the color by 10%, you get **37.8018, 0.2904, 0.4849**, and if you desaturate by 10%, it is **40.3602, 0.2957, 0.4266**.

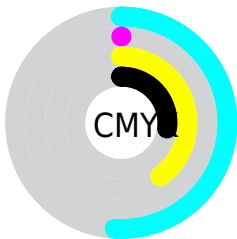
Distribution



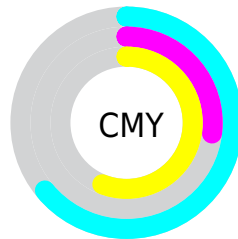
- Red (36%)
- Green (73%)
- Blue (44%)



- Red (36%)
- Yellow (67%)
- Blue (73%)



- Cyan (51%)
- Magenta (0%)
- Yellow (40%)
- Black (27%)



- Cyan (64%)
- Magenta (27%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.9346, 0.2926, 0.4555 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 38.9346, 0.2926, 0.4555 by changing the saturation by 10% instead.

 38.9346, 0.2926,
0.4555


 38.9346, 0.2926,
0.4555

341.6124, 0.3054,
0.3861


 26.7089, 0.2883,
0.4749


 73.5384, 0.2980,
0.4288

 17.3547, 0.2820,
0.5011

 96.6852, 0.2998,
0.4192

 10.4877, 0.2722,
0.5379


 124.2412, 0.3012,
0.4112

 5.7235, 0.2553,
0.5930

 156.5908, 0.3024,
0.4046

 2.6777, 0.2342,
0.7149

194.1183, 0.3034,
0.3989

 0.9659, 0.0000,
1.0000

237.2081, 0.3042,

 0.0000, 0.0000,

0.3941

0.0000

286.2447, 0.3048,
0.3898

■ 38.9346, 0.2926,
0.4555

■ 38.9346, 0.2926,
0.4555

■ 37.8018, 0.2904,
0.4849

■ 40.3602, 0.2957,
0.4266

■ 36.9364, 0.2895,
0.5134

■ 42.0923, 0.2994,
0.3993

■ 36.3170, 0.2899,
0.5395

■ 44.1492, 0.3035,
0.3742

■ 35.9160, 0.2915,
0.5616

■ 46.5468, 0.3078,
0.3516

■ 35.7011, 0.2936,
0.5768

■ 49.2995, 0.3121,
0.3315

■ 52.4212, 0.3164,
0.3138

■ 55.9250, 0.3204,
0.2984

■ 59.8232, 0.3242,
0.2851

■ 63.3015, 0.3244,
0.2729

Harmonies

Analogous

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



38.9346, 0.3682, 0.4749



38.9346, 0.2926, 0.4555



38.9346, 0.2265, 0.3832

Triad

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



38.9346, 0.2926, 0.4555



38.9346, 0.1969, 0.2127



38.9346, 0.4568, 0.3320

Complementary

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



38.9346, 0.2926, 0.4555



20.8009, 0.3444, 0.2302

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.



38.9346, 0.3984, 0.2782



38.9346, 0.2926, 0.4555



38.9346, 0.2447, 0.2127

Square

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



38.9346, 0.2926, 0.4555



38.9346, 0.1773, 0.2402



38.9346, 0.3173, 0.2361



38.9346, 0.4681, 0.3900

Rectangle

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



38.9346, 0.2926, 0.4555



38.9346, 0.1965, 0.3257



38.9346, 0.3173, 0.2361



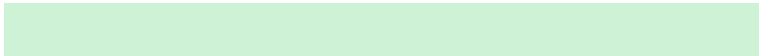
38.9346, 0.4418, 0.3132

Sweetspot

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



38.9362, 0.2926, 0.4555



81.6107, 0.3061, 0.3601



44.4258, 0.3673, 0.4606



17.7717, 0.3052, 0.3649



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



38.9362, 0.2926, 0.4555



67.4103, 0.2902, 0.4898



40.2971, 0.2627, 0.3726



10.6829, 0.3087, 0.3474



24.6069, 0.2930, 0.5750



0.9739, 0.2801, 0.5283

Inverse Universe

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



20.8009, 0.3444, 0.2302



31.2071, 0.3540, 0.2121



19.3610, 0.4146, 0.2917



9.6595, 0.3170, 0.3113



8.7216, 0.3845, 0.1892



0.3507, 0.3665, 0.1793

Previews

White Background



This preview shows how the Yxy color 38.9346, 0.2926, 0.4555 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 38.9346, 0.2926, 0.4555 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

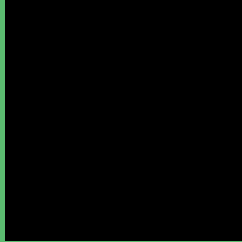
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.9346, 0.2926, 0.4555

Background



This preview shows how black text looks on a background with the Yxy color 38.9346, 0.2926, 0.4555.



This preview shows how white text looks on a background with the Yxy color 38.9346, 0.2926, 0.4555.

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

38.9346, 0.2926, 0.4555

Protanopia

38.5820, 0.3835, 0.4155

Deuteranopia

38.1100, 0.3915, 0.3830



Tritanopia

38.9616, 0.2518, 0.3079

Trichromacy



Original Color

38.9346, 0.2926, 0.4555



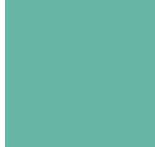
Protanomaly

37.7232, 0.3449, 0.4311



Deuteranomaly

37.0078, 0.3490, 0.4083



Tritanomaly

38.5757, 0.2663, 0.3576

Monochromacy



Original Color

38.9346, 0.2926, 0.4555



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

32.6391, 0.3042, 0.3733

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9346, 0.2926, 0.4555 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(91, 187, 112)` looks like.

```
.text, #text, p{  
    color:rgb(91, 187, 112)  
}
```

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(91, 187, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 187, 112) }
```

Border

The CSS property to change the border of an element to Yxy 38.9346, 0.2926, 0.4555 is called "border". The border property can be set on classes, ids or directly on the HTML element.

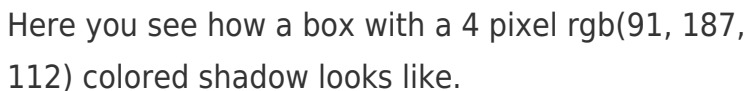
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(91, 187, 112) }
```

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

```
.border{ border-color:rgb(91, 187, 112) }
```

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



Here you see how a box with a 4 pixel `rgb(91, 187, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 187, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 187, 112);  
box-shadow:4px 4px 4px 4px rgb(91, 187,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9346, 0.2926, 0.4555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 187, 112) }
```

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

```
.background{ background-color: rgb(91, 187,  
112) }
```

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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