

Converting Colors

$Yxy(36.8957, 0.3140, 0.5191)$

Have a look what the booklet for
Yxy(36.8957, 0.3140, 0.5191)
contains.

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Color

Yxy(36.8106, 0.3141, 0.5184)

Conversions

Conversions Part 1

Format	Color
Hex	58B847
RGB	88, 184, 71
RGB Percent	35%, 72%, 28%
CMY	0.6549, 0.2784, 0.7215
CMYK	0.52, 0.00, 0.61, 0.28
HSL	111°, 44%, 50%
HSV	111°, 61%, 72%
XYZ	22.3036, 36.8106, 11.8939
YIQ	142.4140, -20.9430, -55.4950

Conversions

Conversions Part 2

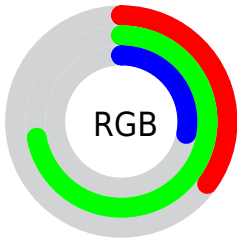
Format	Color
RYB	71, 184, 167
Decimal	5814343
CIELab	67.13, -49.94, 47.73
CIElCh	67, 69.079, 136.295
Yxy	36.8106, 0.3141, 0.5184
Android (android.graphics.Color)	4284004423 (0xFF58B847)
YUV	142.4140, -35.2071, -47.7211
Hunter-Lab	60.6717, -40.5568, 30.8472

Details

The Yxy color **36.8106, 0.3141, 0.5184** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **16.1865, 0.2980, 0.1797**, and the grayscale version is **27.3742, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.3604, 0.3179, 0.4789**, and **16.1485, 0.3024, 0.5844** is the 20% darker color. If you saturate the color by 10%, you get **35.9276, 0.3122, 0.5478**, and if you desaturate by 10%, it is **37.9319, 0.3152, 0.4855**.

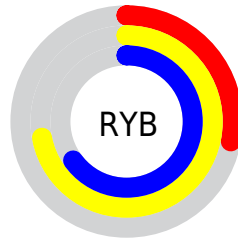
Distribution



Red (35%)

Green (72%)

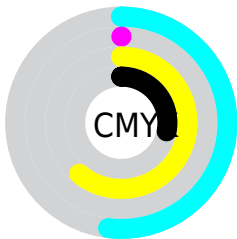
Blue (28%)



Red (28%)

Yellow (72%)

Blue (65%)

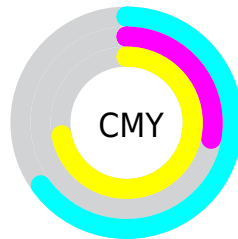


Cyan (52%)

Magenta (0%)

Yellow (61%)

Black (28%)



Cyan (65%)


Magenta (28%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.8106, 0.3141, 0.5184 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 36.8106, 0.3141, 0.5184 by changing the saturation by 10% instead.


 36.8106, 0.3141,
0.5184


 36.8106, 0.3141,
0.5184


332.4898, 0.3194,
0.4136


 25.0609, 0.3099,
0.5471


 70.2814, 0.3179,
0.4782


 16.1224, 0.3025,
0.5847


 92.7713, 0.3187,
0.4637


 9.6108, 0.2887,
0.6353


 119.6100, 0.3192,
0.4517

 5.1417, 0.2711,
0.7289

 151.1819, 0.3194,
0.4416

 2.3306, 0.2003,
0.7997

 187.8714, 0.3195,
0.4330

 0.7899, 0.0000,
1.0000

230.0630, 0.3195,

 0.0000, 0.0000,

0.4257

0.0000

278.1410, 0.3195,
0.4192

■ 36.8106, 0.3141,
0.5184

■ 36.8106, 0.3141,
0.5184

■ 35.9276, 0.3122,
0.5478

■ 37.9319, 0.3152,
0.4855

■ 35.2608, 0.3097,
0.5715

■ 39.3022, 0.3157,
0.4514

■ 34.7923, 0.3067,
0.5878

■ 40.9373, 0.3155,
0.4181

■ 34.5239, 0.3043,
0.5966

■ 42.8501, 0.3149,
0.3867

■ 45.0529, 0.3140,
0.3580

■ 47.5571, 0.3129,
0.3324

■ 50.3736, 0.3116,
0.3097

■ 53.5127, 0.3103,
0.2899

■ 56.9841, 0.3090,
0.2726

Harmonies

Analogous

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



36.8106, 0.4076, 0.5067



36.8106, 0.3141, 0.5184



36.8106, 0.2251, 0.4411

Triad

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



36.8106, 0.3141, 0.5184



36.8106, 0.1567, 0.1897



36.8106, 0.4814, 0.3043

Complementary

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



36.8106, 0.3141, 0.5184



16.1865, 0.2980, 0.1797

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.



36.8106, 0.3883, 0.2441



36.8106, 0.3141, 0.5184



36.8106, 0.2017, 0.1812

Square

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



36.8106, 0.3141, 0.5184



36.8106, 0.1443, 0.2332



36.8106, 0.2820, 0.2006



36.8106, 0.5152, 0.3725

Rectangle

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



36.8106, 0.3141, 0.5184



36.8106, 0.1811, 0.3606



36.8106, 0.2820, 0.2006



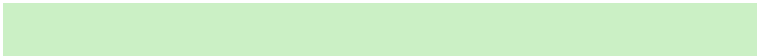
36.8106, 0.4551, 0.2830

Sweetspot

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



36.8122, 0.3141, 0.5184



78.8570, 0.3147, 0.3775



37.6179, 0.4123, 0.4509



16.7619, 0.3149, 0.3861



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.



36.8122, 0.3141, 0.5184



64.6188, 0.3113, 0.5577



36.7193, 0.2829, 0.4620



10.1232, 0.3138, 0.3525



23.8130, 0.3048, 0.5962



0.8601, 0.3191, 0.5849

Inverse Universe

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



16.1865, 0.2980, 0.1797



23.9035, 0.2928, 0.1560



16.7857, 0.3723, 0.2294



9.0925, 0.3114, 0.3063



7.3032, 0.2837, 0.1336



0.2762, 0.2939, 0.1393

Previews

White Background



This preview shows how the Yxy color 36.8106, 0.3141, 0.5184 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 36.8106, 0.3141, 0.5184 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 36.8106, 0.3141, 0.5184

Background



This preview shows how black text looks on a background with the Yxy color 36.8106, 0.3141, 0.5184.



This preview shows how white text looks on a background with the Yxy color 36.8106, 0.3141, 0.5184.

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

36.8106, 0.3141, 0.5184

Protanopia

36.3998, 0.4149, 0.4562

Deuteranopia

36.3012, 0.4304, 0.4224



Tritanopia

36.4297, 0.2546, 0.3074

Trichromacy



Original Color

36.8106, 0.3141, 0.5184



Protanomaly

35.7341, 0.3726, 0.4823



Deuteranomaly

35.1792, 0.3816, 0.4585



Tritanomaly

35.9478, 0.2781, 0.3822

Monochromacy



Original Color

36.8106, 0.3141, 0.5184



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

29.5125, 0.3151, 0.4002

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8106, 0.3141, 0.5184 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(88, 184, 71)` looks like.

```
.text, #text, p{  
    color:rgb(88, 184, 71)  
}
```

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(88, 184, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 184, 71) }
```

Border

The CSS property to change the border of an element to Yxy 36.8106, 0.3141, 0.5184 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(88, 184, 71) }
```

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

```
.border{ border-color:rgb(88, 184, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 184, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 184, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 184, 71);  
box-shadow:4px 4px 4px 4px rgb(88, 184,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 36.8106, 0.3141, 0.5184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 184, 71) }
```

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

```
.background{ background-color: rgb(88, 184,  
71) }
```

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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