

Converting Colors

$Yxy(38.6015, 0.2682, 0.4197)$

Have a look what the booklet for
Yxy(38.6015, 0.2682, 0.4197)
contains.

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Color

Yxy(38.6015, 0.2682, 0.4197)

Conversions

Conversions Part 1

Format	Color
Hex	47BB86
RGB	71, 187, 134
RGB Percent	28%, 73%, 53%
CMY	0.7219, 0.2666, 0.4745
CMYK	0.62, 0.00, 0.28, 0.27
HSL	153°, 46%, 51%
HSV	153°, 62%, 73%
XYZ	24.6674, 38.6015, 28.7051
YIQ	146.2740, -52.1230, -41.0750

Conversions

Conversions Part 2

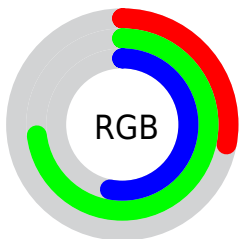
Format	Color
RYB	71, 146, 187
Decimal	4701062
CIELab	68.46, -45.13, 17.38
CIELCh	68, 48.358, 158.934
Yxy	38.6015, 0.2682, 0.4197
Android (android.graphics.Color)	4282891142 (0xFF47BB86)
YUV	146.2740, -6.0511, -66.0153
Hunter-Lab	62.1301, -37.8581, 16.0982

Details

The Yxy color **38.6015, 0.2682, 0.4197** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **16.5158, 0.4139, 0.2591**, and the grayscale version is **28.8963, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.0350, 0.2776, 0.4013**, and **17.4152, 0.2586, 0.4509** is the 20% darker color. If you saturate the color by 10%, you get **37.7736, 0.2656, 0.4375**, and if you desaturate by 10%, it is **39.6692, 0.2726, 0.4024**.

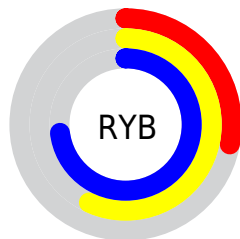
Distribution



Red (28%)

Green (73%)

Blue (53%)



Red (28%)

Yellow (57%)

Blue (73%)

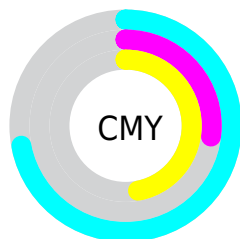


Cyan (62%)

Magenta (0%)

Yellow (28%)

Black (27%)



Cyan (72%)


Magenta (27%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.6015, 0.2682, 0.4197 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 38.6015, 0.2682, 0.4197 by changing the saturation by 10% instead.


 38.6015, 0.2682,
0.4197


 38.6015, 0.2682,
0.4197


340.1933, 0.2924,
0.3703


 26.4499, 0.2615,
0.4335


 73.0291, 0.2775,
0.4007

 17.1605, 0.2525,
0.4520


 96.0739, 0.2808,
0.3939


 10.3490, 0.2397,
0.4784


 123.5186, 0.2835,
0.3883

 5.6310, 0.2203,
0.5186

 155.7475, 0.2859,
0.3836

 2.6220, 0.1880,
0.5861

 193.1450, 0.2878,
0.3795

 0.9377, 0.0000,
1.0000

236.0955, 0.2896,

 0.0000, 0.0000,

0.3760

0.0000

284.9835, 0.2910,
0.3730

■ 38.6015, 0.2682,
0.4197

■ 38.6015, 0.2682,
0.4197

■ 37.7736, 0.2656,
0.4375

■ 39.6692, 0.2726,
0.4024

■ 37.1597, 0.2649,
0.4553

■ 40.9905, 0.2785,
0.3858

■ 36.7362, 0.2662,
0.4726

■ 42.5838, 0.2856,
0.3703

■ 36.4970, 0.2683,
0.4860

■ 44.4640, 0.2935,
0.3560

■ 46.6453, 0.3020,
0.3430

■ 49.1407, 0.3109,
0.3313

■ 51.9626, 0.3198,
0.3208

■ 55.1226, 0.3287,
0.3116

■ 58.6317, 0.3373,
0.3034

Harmonies

Analogous

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



38.6015, 0.3363, 0.4596



38.6015, 0.2682, 0.4197



38.6015, 0.2157, 0.3461

Triad

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



38.6015, 0.2682, 0.4197



38.6015, 0.2216, 0.2193



38.6015, 0.4533, 0.3551

Complementary

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



38.6015, 0.2682, 0.4197



16.5158, 0.4139, 0.2591

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.



38.6015, 0.4163, 0.3026



38.6015, 0.2682, 0.4197



38.6015, 0.2761, 0.2284

Square

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



38.6015, 0.2682, 0.4197



38.6015, 0.1923, 0.2343



38.6015, 0.3481, 0.2580



38.6015, 0.4460, 0.4080

Rectangle

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



38.6015, 0.2682, 0.4197



38.6015, 0.1953, 0.2978



38.6015, 0.3481, 0.2580



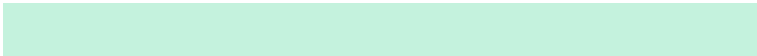
38.6015, 0.4457, 0.3372

Sweetspot

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



38.6031, 0.2682, 0.4197



80.6517, 0.2958, 0.3523



40.3663, 0.3421, 0.5043



17.5262, 0.2934, 0.3561



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.



38.6031, 0.2682, 0.4197



67.2614, 0.2652, 0.4430



38.8501, 0.2369, 0.3227



10.7340, 0.3044, 0.3397



25.1583, 0.2678, 0.4839



0.9985, 0.2564, 0.4430

Inverse Universe

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



16.5158, 0.4139, 0.2591



24.5143, 0.4481, 0.2521



16.0237, 0.5036, 0.3343



9.6069, 0.3219, 0.3186



7.7496, 0.5116, 0.2592



0.3168, 0.4544, 0.2277

Previews

White Background



This preview shows how the Yxy color 38.6015, 0.2682, 0.4197 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 38.6015, 0.2682, 0.4197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

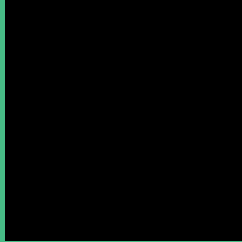
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.6015, 0.2682, 0.4197

Background



This preview shows how black text looks on a background with the Yxy color 38.6015, 0.2682, 0.4197.



This preview shows how white text looks on a background with the Yxy color 38.6015, 0.2682, 0.4197.

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

38.6015, 0.2682, 0.4197

Protanopia

38.1926, 0.3622, 0.3882

Deuteranopia

37.7661, 0.3628, 0.3548



Tritanopia

38.3594, 0.2406, 0.3059

Trichromacy



Original Color

38.6015, 0.2682, 0.4197



Protanomaly

37.3196, 0.3189, 0.4010



Deuteranomaly

36.4140, 0.3187, 0.3767



Tritanomaly

38.3193, 0.2505, 0.3449

Monochromacy



Original Color

38.6015, 0.2682, 0.4197



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

31.3647, 0.2903, 0.3609

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.6015, 0.2682, 0.4197 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(71, 187, 134)` looks like.

```
.text, #text, p{  
    color:rgb(71, 187, 134)  
}
```

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(71, 187, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 187, 134) }
```

Border

The CSS property to change the border of an element to Yxy 38.6015, 0.2682, 0.4197 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(71, 187, 134) }
```

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

```
.border{ border-color:rgb(71, 187, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 187, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 187, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 187, 134);  
box-shadow:4px 4px 4px 4px rgb(71, 187,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 38.6015, 0.2682, 0.4197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 187, 134) }
```

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

```
.background{ background-color: rgb(71, 187,  
134) }
```

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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