

Converting Colors

Yxy(36.5688, 0.2930, 0.5179)

Have a look what the booklet for
Yxy(36.5688, 0.2930, 0.5179)
contains.

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Color

Yxy(36.5819, 0.2932, 0.5177)

Conversions

Conversions Part 1

Format	Color
Hex	3ABA4F
RGB	58, 186, 79
RGB Percent	23%, 73%, 31%
CMY	0.7722, 0.2706, 0.6903
CMYK	0.69, 0.00, 0.58, 0.27
HSL	130°, 52%, 48%
HSV	130°, 69%, 73%
XYZ	20.7182, 36.5819, 13.3623
YIQ	135.5300, -41.9410, -60.4130

Conversions

Conversions Part 2

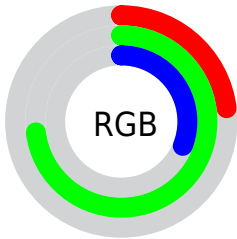
Format	Color
RYB	58, 168, 186
Decimal	3848783
CIELab	66.96, -56.68, 43.65
CIElCh	67, 71.541, 142.401
Yxy	36.5819, 0.2932, 0.5177
Android (android.graphics.Color)	4282038863 (0xFF3ABA4F)
YUV	135.5300, -27.8693, -67.9938
Hunter-Lab	60.4830, -44.7007, 29.2394

Details

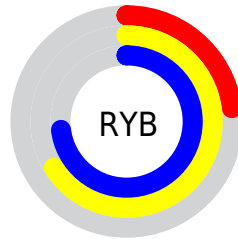
The Yxy color **36.5819, 0.2932, 0.5177** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **16.1940, 0.3483, 0.1974**, and the grayscale version is **24.5622, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.8048, 0.3006, 0.4766**, and **16.3117, 0.2930, 0.5749** is the 20% darker color. If you saturate the color by 10%, you get **35.9215, 0.2931, 0.5449**, and if you desaturate by 10%, it is **37.4997, 0.2944, 0.4876**.

Distribution



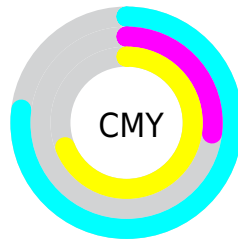
- Red (23%)
- Green (73%)
- Blue (31%)



- Red (23%)
- Yellow (66%)
- Blue (73%)



- Cyan (69%)
- Magenta (0%)
- Yellow (58%)
- Black (27%)





- Cyan (77%)
- Magenta (27%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.5819, 0.2932, 0.5177 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 36.5819, 0.2932, 0.5177 by changing the saturation by 10% instead.


 36.5819, 0.2932,
0.5177


 36.5819, 0.2932,
0.5177


331.4968, 0.3089,
0.4120


 24.8839, 0.2866,
0.5474


 69.9293, 0.3007,
0.4767


 15.9906, 0.2763,
0.5871


 92.3475, 0.3030,
0.4621


 9.5175, 0.2590,
0.6416


 119.1079, 0.3046,
0.4500

 5.0802, 0.2341,
0.7371

 150.5949, 0.3059,
0.4399

 2.2944, 0.1488,
0.8512

 187.1929, 0.3069,
0.4313

 0.7708, 0.0000,
1.0000

229.2863, 0.3077,

 0.0000, 0.0000,

0.4240

0.0000

277.2595, 0.3084,
0.4176

■ 36.5819, 0.2932,
0.5177

■ 36.5819, 0.2932,
0.5177

■ 35.9215, 0.2931,
0.5449

■ 37.4997, 0.2944,
0.4876

■ 35.4875, 0.2941,
0.5674

■ 38.6933, 0.2965,
0.4566

■ 35.2377, 0.2959,
0.5840

■ 40.1845, 0.2993,
0.4261

■ 35.2128, 0.2960,
0.5857

■ 41.9917, 0.3026,
0.3974

■ 44.1316, 0.3061,
0.3710

■ 46.6200, 0.3096,
0.3474

■ 49.4716, 0.3131,
0.3266

■ 52.7002, 0.3165,
0.3083

■ 56.3188, 0.3197,
0.2925

Harmonies

Analogous

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



36.5819, 0.3906, 0.5213



36.5819, 0.2932, 0.5177



36.5819, 0.2061, 0.4208

Triad

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



36.5819, 0.2932, 0.5177



36.5819, 0.1589, 0.1811



36.5819, 0.5006, 0.3166

Complementary

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



36.5819, 0.2932, 0.5177



16.1940, 0.3483, 0.1974

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.



36.5819, 0.4135, 0.2528



36.5819, 0.2932, 0.5177



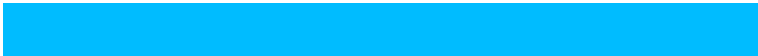
36.5819, 0.2120, 0.1789

Square

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



36.5819, 0.2932, 0.5177



36.5819, 0.1396, 0.2171



36.5819, 0.3017, 0.2041



36.5819, 0.5200, 0.3872

Rectangle

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



36.5819, 0.2932, 0.5177



36.5819, 0.1665, 0.3363



36.5819, 0.3017, 0.2041



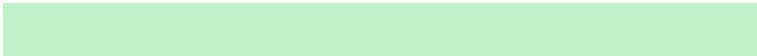
36.5819, 0.4778, 0.2943

Sweetspot

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



36.5834, 0.2932, 0.5177



78.9341, 0.3052, 0.3776



43.6184, 0.3868, 0.4930



17.1418, 0.3042, 0.3848



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.



36.5834, 0.2932, 0.5177



64.6232, 0.2935, 0.5582



37.9491, 0.2583, 0.4062



10.0834, 0.3094, 0.3487



23.6982, 0.2956, 0.5840



0.8429, 0.2839, 0.5419

Inverse Universe

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



16.1940, 0.3483, 0.1974



25.1435, 0.3580, 0.1835



14.4500, 0.4571, 0.2728



9.1369, 0.3162, 0.3101



8.6385, 0.3664, 0.1792



0.3113, 0.3529, 0.1717

Previews

White Background



This preview shows how the Yxy color 36.5819, 0.2932, 0.5177 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 36.5819, 0.2932, 0.5177 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 36.5819, 0.2932, 0.5177

Background



This preview shows how black text looks on a background with the Yxy color 36.5819, 0.2932, 0.5177.



This preview shows how white text looks on a background with the Yxy color 36.5819, 0.2932, 0.5177.

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

36.5819, 0.2932, 0.5177

Protanopia

35.9989, 0.4107, 0.4497

Deuteranopia

35.8215, 0.4225, 0.4134



Tritanopia

36.5582, 0.2421, 0.3070

Trichromacy



Original Color

36.5819, 0.2932, 0.5177



Protanomaly

34.8545, 0.3572, 0.4798



Deuteranomaly

34.1314, 0.3632, 0.4540



Tritanomaly

36.0724, 0.2609, 0.3800

Monochromacy



Original Color

36.5819, 0.2932, 0.5177



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

27.5372, 0.3028, 0.4002

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.5819, 0.2932, 0.5177 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(58, 186, 79)` looks like.

```
.text, #text, p{  
    color:rgb(58, 186, 79)  
}
```

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(58, 186, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 186, 79) }
```

Border

The CSS property to change the border of an element to Yxy 36.5819, 0.2932, 0.5177 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(58, 186, 79) }
```

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

```
.border{ border-color:rgb(58, 186, 79) }
```

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

Here you see how a box with a 4 pixel rgb(58, 186, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 186, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 186, 79);  
box-shadow:4px 4px 4px 4px rgb(58, 186,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 36.5819, 0.2932, 0.5177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 186, 79) }
```

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

```
.background{ background-color: rgb(58, 186,  
79) }
```

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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