

Converting Colors

$Yxy(35.3988, 0.3106, 0.5157)$

Have a look what the booklet for
Yxy(35.3988, 0.3106, 0.5157)
contains.

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Color

Yxy(35.3546, 0.3106, 0.5165)

Conversions

Conversions Part 1

Format	Color
Hex	53B548
RGB	83, 181, 72
RGB Percent	33%, 71%, 28%
CMY	0.6745, 0.2902, 0.7176
CMYK	0.54, 0.00, 0.60, 0.29
HSL	114°, 43%, 50%
HSV	114°, 60%, 71%
XYZ	21.2607, 35.3546, 11.8351
YIQ	139.2720, -23.4190, -54.6750

Conversions

Conversions Part 2

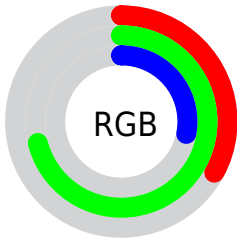
Format	Color
RYB	72, 181, 170
Decimal	5485896
CIELab	66.02, -50.03, 45.97
CIElCh	66, 67.947, 137.423
Yxy	35.3546, 0.3106, 0.5165
Android (android.graphics.Color)	4283675976 (0xFF53B548)
YUV	139.2720, -33.1651, -49.3505
Hunter-Lab	59.4597, -40.2293, 29.8205

Details

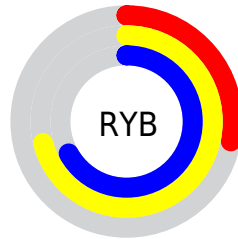
The Yxy color **35.3546, 0.3106, 0.5165** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **16.5196, 0.3053, 0.1851**, and the grayscale version is **26.0668, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.1798, 0.3147, 0.4766**, and **15.2708, 0.2982, 0.5844** is the 20% darker color. If you saturate the color by 10%, you get **34.4982, 0.3088, 0.5468**, and if you desaturate by 10%, it is **36.4573, 0.3119, 0.4829**.

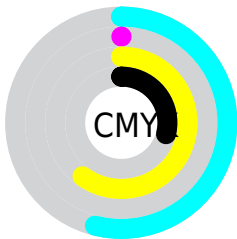
Distribution



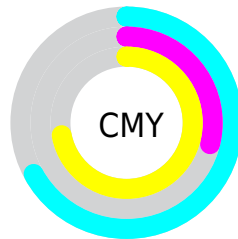
- Red (33%)
- Green (71%)
- Blue (28%)



- Red (28%)
- Yellow (71%)
- Blue (67%)



- Cyan (54%)
- Magenta (0%)
- Yellow (60%)
- Black (29%)




- Cyan (67%)
- Magenta (29%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.3546, 0.3106, 0.5165 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 35.3546, 0.3106, 0.5165 by changing the saturation by 10% instead.


 35.3546, 0.3106,
0.5165


 35.3546, 0.3106,
0.5165


326.1308, 0.3175,
0.4119


 23.9362, 0.3061,
0.5456


 68.0347, 0.3150,
0.4761

 15.2863, 0.2981,
0.5840


 90.0652, 0.3160,
0.4616


 9.0205, 0.2835,
0.6362


 116.4018, 0.3167,
0.4497

 4.7546, 0.2649,
0.7351

 147.4290, 0.3171,
0.4396

 2.1040, 0.1809,
0.8191

 183.5311, 0.3173,
0.4311

 0.6669, 0.0000,
1.0000

225.0924, 0.3174,

 0.0000, 0.0000,

0.4238

0.0000

272.4975, 0.3175,
0.4175

■ 35.3546, 0.3106,
0.5165

■ 35.3546, 0.3106,
0.5165

■ 34.4982, 0.3088,
0.5468

■ 36.4573, 0.3119,
0.4829

■ 33.8650, 0.3067,
0.5713

■ 37.8185, 0.3128,
0.4483

■ 33.4350, 0.3043,
0.5883

■ 39.4548, 0.3132,
0.4147

■ 33.1803, 0.3024,
0.5981

■ 41.3805, 0.3133,
0.3833

■ 43.6083, 0.3131,
0.3548

■ 46.1508, 0.3127,
0.3295

■ 49.0194, 0.3122,
0.3073

■ 52.2251, 0.3117,
0.2880

■ 55.7785, 0.3110,
0.2712

Harmonies

Analogous

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



35.3546, 0.4042, 0.5080



35.3546, 0.3106, 0.5165



35.3546, 0.2224, 0.4364

Triad

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



35.3546, 0.3106, 0.5165



35.3546, 0.1581, 0.1891



35.3546, 0.4834, 0.3069

Complementary

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



35.3546, 0.3106, 0.5165



16.5196, 0.3053, 0.1851

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.



35.3546, 0.3921, 0.2463



35.3546, 0.3106, 0.5165



35.3546, 0.2043, 0.1818

Square

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



35.3546, 0.3106, 0.5165



35.3546, 0.1446, 0.2311



35.3546, 0.2858, 0.2021



35.3546, 0.5146, 0.3752

Rectangle

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



35.3546, 0.3106, 0.5165



35.3546, 0.1795, 0.3561



35.3546, 0.2858, 0.2021



35.3546, 0.4580, 0.2855

Sweetspot

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



35.3561, 0.3106, 0.5165



74.8305, 0.3133, 0.3776



38.4037, 0.4061, 0.4549



15.9412, 0.3133, 0.3862



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



35.3561, 0.3106, 0.5165



61.4038, 0.3082, 0.5548



35.6374, 0.2798, 0.4487



9.5297, 0.3131, 0.3524



22.8876, 0.3028, 0.5978



0.7334, 0.3137, 0.5891

Inverse Universe

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



16.5196, 0.3053, 0.1851



24.6742, 0.3024, 0.1634



16.3304, 0.3794, 0.2378



8.6023, 0.3122, 0.3064



7.6669, 0.2960, 0.1404



0.2537, 0.3034, 0.1445

Previews

White Background



This preview shows how the Yxy color 35.3546, 0.3106, 0.5165 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 35.3546, 0.3106, 0.5165 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 35.3546, 0.3106, 0.5165

Background



This preview shows how black text looks on a background with the Yxy color 35.3546, 0.3106, 0.5165.



This preview shows how white text looks on a background with the Yxy color 35.3546, 0.3106, 0.5165.

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

35.3546, 0.3106, 0.5165

Protanopia

34.8821, 0.4127, 0.4543

Deuteranopia

34.7714, 0.4288, 0.4207



Tritanopia

35.2941, 0.2534, 0.3086

Trichromacy



Original Color

35.3546, 0.3106, 0.5165



Protanomaly

34.2623, 0.3698, 0.4803



Deuteranomaly

33.6988, 0.3793, 0.4572



Tritanomaly

34.8519, 0.2750, 0.3814

Monochromacy



Original Color

35.3546, 0.3106, 0.5165



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

28.2709, 0.3133, 0.3980

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.3546, 0.3106, 0.5165 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(83, 181, 72)` looks like.

```
.text, #text, p{  
    color:rgb(83, 181, 72)  
}
```

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(83, 181, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 181, 72) }
```

Border

The CSS property to change the border of an element to Yxy 35.3546, 0.3106, 0.5165 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(83, 181, 72) }
```

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

```
.border{ border-color:rgb(83, 181, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 181, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 181, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 181, 72);  
box-shadow:4px 4px 4px 4px rgb(83, 181,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 35.3546, 0.3106, 0.5165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 181, 72) }
```

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

```
.background{ background-color: rgb(83, 181,  
72) }
```

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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