

Converting Colors

$Y_{xy}(35.5740, 0.3031, 0.5020)$

Have a look what the booklet for
Yxy(35.5740, 0.3031, 0.5020)
contains.

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Color

Yxy(35.3624, 0.3033, 0.5023)

Conversions

Conversions Part 1

Format	Color
Hex	50B552
RGB	80, 181, 82
RGB Percent	31%, 71%, 32%
CMY	0.6865, 0.2902, 0.6784
CMYK	0.56, 0.00, 0.55, 0.29
HSL	121°, 41%, 51%
HSV	121°, 56%, 71%
XYZ	21.3526, 35.3624, 13.6859
YIQ	139.5150, -28.4170, -52.2010

Conversions

Conversions Part 2

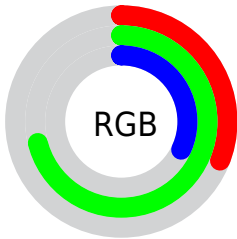
Format	Color
RYB	80, 179, 181
Decimal	5289298
CIELab	66.03, -49.62, 41.25
CIELCh	66, 64.527, 140.267
Yxy	35.3624, 0.3033, 0.5023
Android (android.graphics.Color)	4283479378 (0xFF50B552)
YUV	139.5150, -28.3549, -52.1947
Hunter-Lab	59.4663, -39.9719, 27.9810

Details

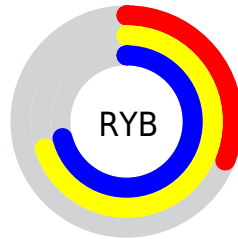
The Yxy color **35.3624, 0.3033, 0.5023** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **18.8075, 0.3213, 0.2011**, and the grayscale version is **26.1445, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.1887, 0.3080, 0.4648**, and **15.2777, 0.2908, 0.5670** is the 20% darker color. If you saturate the color by 10%, you get **34.4438, 0.3018, 0.5349**, and if you desaturate by 10%, it is **36.5659, 0.3050, 0.4675**.

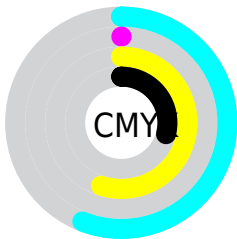
Distribution



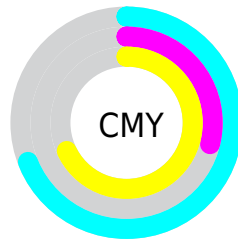
- Red (31%)
- Green (71%)
- Blue (32%)



- Red (31%)
- Yellow (70%)
- Blue (71%)



- Cyan (56%)
- Magenta (0%)
- Yellow (55%)
- Black (29%)





- Cyan (69%)
- Magenta (29%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.3624, 0.3033, 0.5023 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 35.3624, 0.3033, 0.5023 by changing the saturation by 10% instead.


 35.3624, 0.3033,
0.5023


 35.3624, 0.3033,
0.5023


326.1651, 0.3130,
0.4054

 23.9422, 0.2986,
0.5296


 68.0468, 0.3084,
0.4647

 15.2907, 0.2907,
0.5663


 90.0798, 0.3098,
0.4512

 9.0237, 0.2770,
0.6171


 116.4191, 0.3108,
0.4402

 4.7566, 0.2567,
0.7056

 147.4492, 0.3115,
0.4309

 2.1052, 0.1842,
0.8158

 183.5544, 0.3120,
0.4231

 0.6675, 0.0000,
1.0000

225.1192, 0.3124,

 0.0000, 0.0000,

0.4163

0.0000

272.5280, 0.3128,
0.4105

■ 35.3624, 0.3033,
0.5023

■ 35.3624, 0.3033,
0.5023

■ 34.4438, 0.3018,
0.5349

■ 36.5659, 0.3050,
0.4675

■ 33.7826, 0.3007,
0.5626

■ 38.0703, 0.3068,
0.4328

■ 33.3539, 0.3000,
0.5831

■ 39.8955, 0.3086,
0.3999

■ 33.1241, 0.2998,
0.5953

■ 42.0588, 0.3103,
0.3699

■ 33.0591, 0.2996,
0.5987

■ 44.5759, 0.3119,
0.3431

■ 47.4616, 0.3133,
0.3196

■ 50.7300, 0.3146,
0.2993

■ 54.3944, 0.3157,
0.2818

■ 58.4674, 0.3167,
0.2667

Harmonies

Analogous

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



35.3624, 0.3936, 0.5037



35.3624, 0.3033, 0.5023



35.3624, 0.2203, 0.4201

Triad

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



35.3624, 0.3033, 0.5023



35.3624, 0.1669, 0.1930



35.3624, 0.4807, 0.3148

Complementary

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



35.3624, 0.3033, 0.5023



18.8075, 0.3213, 0.2011

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.



35.3624, 0.3981, 0.2550



35.3624, 0.3033, 0.5023



35.3624, 0.2150, 0.1882

Square

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



35.3624, 0.3033, 0.5023



35.3624, 0.1510, 0.2305



35.3624, 0.2964, 0.2103



35.3624, 0.5049, 0.3815

Rectangle

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



35.3624, 0.3033, 0.5023



35.3624, 0.1809, 0.3446



35.3624, 0.2964, 0.2103



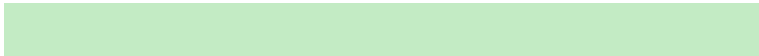
35.3624, 0.4582, 0.2938

Sweetspot

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



35.3639, 0.3033, 0.5023



74.7167, 0.3101, 0.3740



43.2518, 0.3902, 0.4607



15.9777, 0.3097, 0.3798



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.



35.3639, 0.3033, 0.5023



61.3716, 0.3015, 0.5417



36.4249, 0.2725, 0.4135



9.4928, 0.3113, 0.3520



22.7893, 0.2996, 0.5984



0.7180, 0.2976, 0.5915

Inverse Universe

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



18.8075, 0.3213, 0.2011



28.7521, 0.3230, 0.1811



17.1347, 0.3941, 0.2610



8.6437, 0.3141, 0.3070



8.9702, 0.3260, 0.1570



0.2832, 0.3245, 0.1561

Previews

White Background



This preview shows how the Yxy color 35.3624, 0.3033, 0.5023 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 35.3624, 0.3033, 0.5023 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 35.3624, 0.3033, 0.5023

Background



This preview shows how black text looks on a background with the Yxy color 35.3624, 0.3033, 0.5023.



This preview shows how white text looks on a background with the Yxy color 35.3624, 0.3033, 0.5023.

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

35.3624, 0.3033, 0.5023

Protanopia

34.9967, 0.4063, 0.4447

Deuteranopia

34.6640, 0.4181, 0.4103



Tritanopia

35.0937, 0.2503, 0.3070

Trichromacy



Original Color

35.3624, 0.3033, 0.5023



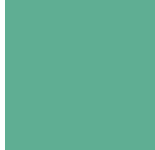
Protanomaly

34.3061, 0.3621, 0.4682



Deuteranomaly

33.6548, 0.3695, 0.4449



Tritanomaly

34.8116, 0.2703, 0.3746

Monochromacy



Original Color

35.3624, 0.3033, 0.5023



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

28.6262, 0.3088, 0.3925

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.3624, 0.3033, 0.5023 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(80, 181, 82)` looks like.

```
.text, #text, p{  
    color:rgb(80, 181, 82)  
}
```

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(80, 181, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 181, 82) }
```

Border

The CSS property to change the border of an element to Yxy 35.3624, 0.3033, 0.5023 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(80, 181, 82) }
```

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

```
.border{ border-color:rgb(80, 181, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 181, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 181, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 181, 82);  
box-shadow:4px 4px 4px 4px rgb(80, 181,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 35.3624, 0.3033, 0.5023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 181, 82) }
```

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

```
.background{ background-color: rgb(80, 181,  
82) }
```

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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