

Converting Colors

$Y_{xy}(35.8307, 0.3054, 0.5210)$

Have a look what the booklet for
Yxy(35.8307, 0.3054, 0.5210)
contains.

Yxy(35.8307, 0.3054, 0.5210)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(35.8307, 0.3054, 0.5210)

Conversions

Conversions Part 1

Format	Color
Hex	4BB748
RGB	75, 183, 72
RGB Percent	29%, 72%, 28%
CMY	0.7060, 0.2823, 0.7177
CMYK	0.59, 0.00, 0.61, 0.28
HSL	118°, 44%, 50%
HSV	118°, 61%, 72%
XYZ	21.0033, 35.8307, 11.9390
YIQ	138.0540, -28.7370, -57.4170

Conversions

Conversions Part 2

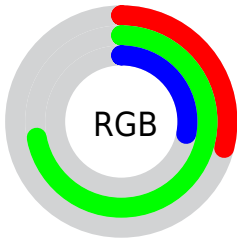
Format	Color
RYB	72, 183, 180
Decimal	4962120
CIELab	66.39, -52.84, 46.33
CIELCh	66, 70.275, 138.760
Yxy	35.8307, 0.3054, 0.5210
Android (android.graphics.Color)	4283152200 (0xFF4BB748)
YUV	138.0540, -32.5646, -55.2984
Hunter-Lab	59.8588, -42.1207, 30.0756

Details

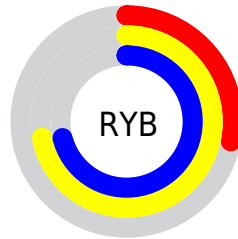
The Yxy color **35.8307, 0.3054, 0.5210** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **17.7603, 0.3155, 0.1887**, and the grayscale version is **25.5704, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.8437, 0.3111, 0.4798**, and **15.7410, 0.2962, 0.5864** is the 20% darker color. If you saturate the color by 10%, you get **35.0077, 0.3038, 0.5514**, and if you desaturate by 10%, it is **36.9287, 0.3070, 0.4868**.

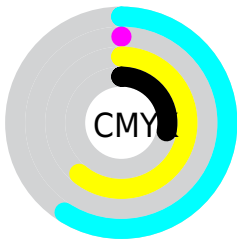
Distribution



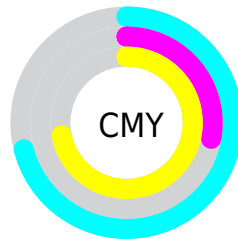
- Red (29%)
- Green (72%)
- Blue (28%)



- Red (28%)
- Yellow (72%)
- Blue (71%)



- Cyan (59%)
- Magenta (0%)
- Yellow (61%)
- Black (28%)




- Cyan (71%)
- Magenta (28%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.8307, 0.3054, 0.5210 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 35.8307, 0.3054, 0.5210 by changing the saturation by 10% instead.


 35.8307, 0.3054,
0.5210


 35.8307, 0.3054,
0.5210


328.2200, 0.3152,
0.4138

 24.3035, 0.3000,
0.5508


 68.7707, 0.3109,
0.4796

 15.5589, 0.2911,
0.5903


 90.9522, 0.3123,
0.4647


 9.2126, 0.2751,
0.6439


 117.4540, 0.3133,
0.4525

 4.8801, 0.2545,
0.7455

 148.6604, 0.3140,
0.4422

 2.1771, 0.1664,
0.8336

 184.9557, 0.3145,
0.4335

 0.7075, 0.0000,
1.0000

226.7246, 0.3148,

 0.0000, 0.0000,

0.4260

0.0000

274.3512, 0.3150,
0.4195

■ 35.8307, 0.3054,
0.5210

■ 35.8307, 0.3054,
0.5210

■ 35.0077, 0.3038,
0.5514

■ 36.9287, 0.3070,
0.4868

■ 34.4315, 0.3024,
0.5754

■ 38.3183, 0.3085,
0.4515

■ 34.0757, 0.3012,
0.5913

■ 40.0198, 0.3098,
0.4171

■ 33.9012, 0.3006,
0.5995

■ 42.0506, 0.3109,
0.3851

■ 44.4269, 0.3119,
0.3561

■ 47.1635, 0.3127,
0.3306

■ 50.2747, 0.3133,
0.3083

■ 53.7738, 0.3138,
0.2890

■ 57.6735, 0.3142,
0.2724

Harmonies

Analogous

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



35.8307, 0.4014, 0.5144



35.8307, 0.3054, 0.5210



35.8307, 0.2162, 0.4346

Triad

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



35.8307, 0.3054, 0.5210



35.8307, 0.1561, 0.1848



35.8307, 0.4913, 0.3088

Complementary

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



35.8307, 0.3054, 0.5210



17.7603, 0.3155, 0.1887

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.



35.8307, 0.3992, 0.2467



35.8307, 0.3054, 0.5210



35.8307, 0.2046, 0.1788

Square

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



35.8307, 0.3054, 0.5210



35.8307, 0.1408, 0.2254



35.8307, 0.2893, 0.2008



35.8307, 0.5196, 0.3784

Rectangle

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



35.8307, 0.3054, 0.5210



35.8307, 0.1737, 0.3510



35.8307, 0.2893, 0.2008



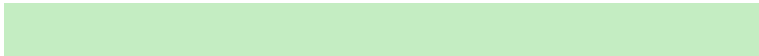
35.8307, 0.4661, 0.2869

Sweetspot

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



35.8322, 0.3054, 0.5210



76.2544, 0.3112, 0.3780



42.8988, 0.3998, 0.4650



16.5855, 0.3109, 0.3868



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.



35.8322, 0.3054, 0.5210



62.2791, 0.3033, 0.5607



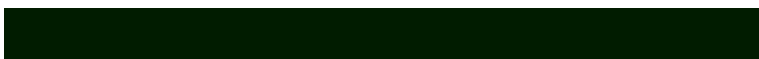
36.6973, 0.2740, 0.4328



10.0713, 0.3120, 0.3526



23.6531, 0.3007, 0.5994



0.8377, 0.3036, 0.5972

Inverse Universe

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



17.7603, 0.3155, 0.1887



27.0340, 0.3154, 0.1685



16.3466, 0.3955, 0.2491



9.1501, 0.3134, 0.3064



9.0005, 0.3143, 0.1505



0.3212, 0.3161, 0.1515

Previews

White Background



This preview shows how the Yxy color 35.8307, 0.3054, 0.5210 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 35.8307, 0.3054, 0.5210 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 35.8307, 0.3054, 0.5210

Background



This preview shows how black text looks on a background with the Yxy color 35.8307, 0.3054, 0.5210.



This preview shows how white text looks on a background with the Yxy color 35.8307, 0.3054, 0.5210.

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

35.8307, 0.3054, 0.5210

Protanopia

35.3364, 0.4135, 0.4558

Deuteranopia

35.2469, 0.4282, 0.4204



Tritanopia

35.7745, 0.2491, 0.3086

Trichromacy



Original Color

35.8307, 0.3054, 0.5210



Protanomaly

34.4560, 0.3671, 0.4825



Deuteranomaly

33.8733, 0.3758, 0.4581



Tritanomaly

35.3396, 0.2708, 0.3833

Monochromacy



Original Color

35.8307, 0.3054, 0.5210



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

27.9709, 0.3103, 0.4007

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8307, 0.3054, 0.5210 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(75, 183, 72)` looks like.

```
.text, #text, p{  
    color:rgb(75, 183, 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(75, 183, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 183, 72) }
```

Border

The CSS property to change the border of an element to Yxy 35.8307, 0.3054, 0.5210 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(75, 183, 72) }
```

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

```
.border{ border-color:rgb(75, 183, 72) }
```

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

Here you see how a box with a 4 pixel rgb(75, 183, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 183, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 183, 72);  
box-shadow:4px 4px 4px 4px rgb(75, 183,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8307, 0.3054, 0.5210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 183, 72) }
```

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

```
.background{ background-color: rgb(75, 183,  
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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