

Converting Colors

$Y_{xy}(50.9265, 0.3079, 0.5248)$

Have a look what the booklet for
Yxy(50.9265, 0.3079, 0.5248)
contains.

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Color

Yxy(50.9265, 0.3079, 0.5248)

Conversions

Conversions Part 1

Format	Color
Hex	5BD652
RGB	91, 214, 82
RGB Percent	36%, 84%, 32%
CMY	0.6434, 0.1607, 0.6785
CMYK	0.58, 0.00, 0.62, 0.16
HSL	116°, 62%, 58%
HSV	116°, 62%, 84%
XYZ	29.8786, 50.9265, 16.2348
YIQ	162.1750, -30.9360, -67.1280

Conversions

Conversions Part 2

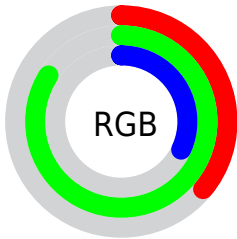
Format	Color
R_{YB}	82, 214, 205
Decimal	6018642
CIE _{Lab}	76.63, -59.31, 53.66
CIE _{LCh}	77, 79.985, 137.865
Yxy	50.9265, 0.3079, 0.5248
Android (android.graphics.Color)	4284208722 (0xFF5BD652)
YUV	162.1750, -39.5263, -62.4205
Hunter-Lab	71.3628, -50.1496, 36.4657

Details

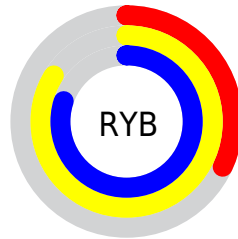
The Yxy color **50.9265, 0.3079, 0.5248** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted green. A complement of this color would be **23.8774, 0.3096, 0.1832**, and the grayscale version is **36.4098, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.9730, 0.3144, 0.4731**, and **24.5368, 0.2961, 0.5847** is the 20% darker color. If you saturate the color by 10%, you get **49.7703, 0.3061, 0.5545**, and if you desaturate by 10%, it is **52.4580, 0.3094, 0.4910**.

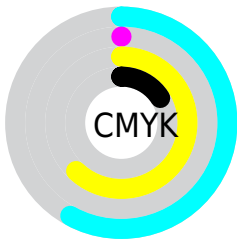
Distribution



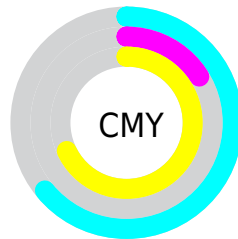
- Red (36%)
- Green (84%)
- Blue (32%)



- Red (32%)
- Yellow (84%)
- Blue (80%)



- Cyan (58%)
- Magenta (0%)
- Yellow (62%)
- Black (16%)




- Cyan (64%)
- Magenta (16%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.9265, 0.3079, 0.5248 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 50.9265, 0.3079, 0.5248 by changing the saturation by 10% instead.


 50.9265, 0.3079,
0.5248


 50.9265, 0.3079,
0.5248

390.2782, 0.3166,
0.4214


 36.1501, 0.3034,
0.5513


 91.5461, 0.3128,
0.4865


 24.5502, 0.2961,
0.5850


 118.1581, 0.3141,
0.4723


 15.7422, 0.2840,
0.6288


 149.4842, 0.3150,
0.4603

 9.3419, 0.2633,
0.6878

 185.9086, 0.3156,
0.4502

 4.9649, 0.2279,
0.7721

 227.8158, 0.3160,
0.4415

 2.2267, 0.1196,
0.8804

275.5902, 0.3163,

 0.7345, 0.0000,

0.4339

1.0000

329.6162, 0.3165,
0.4273

■ 0.0000, 0.0000,
0.0000

■ 50.9265, 0.3079,
0.5248

■ 50.9265, 0.3079,
0.5248

■ 49.7703, 0.3061,
0.5545

■ 52.4580, 0.3094,
0.4910

■ 48.9512, 0.3042,
0.5775

■ 54.3864, 0.3107,
0.4557

■ 48.4344, 0.3024,
0.5923

■ 56.7391, 0.3116,
0.4211

■ 48.1963, 0.3012,
0.5990

■ 59.5395, 0.3122,
0.3887

■ 62.8089, 0.3125,
0.3592

■ 66.5677, 0.3127,
0.3331

■ 70.8347, 0.3127,
0.3102

■ 75.6280, 0.3126,
0.2904

■ 76.5789, 0.3146,
0.2891

Harmonies

Analogous

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



50.9265, 0.4047, 0.5150



50.9265, 0.3079, 0.5248



50.9265, 0.2173, 0.4397

Triad

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



50.9265, 0.3079, 0.5248



50.9265, 0.1537, 0.1840



50.9265, 0.4915, 0.3063

Complementary

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



50.9265, 0.3079, 0.5248



23.8774, 0.3096, 0.1832

Split Complementary

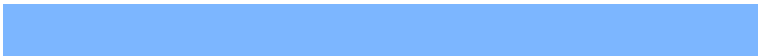
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



50.9265, 0.3969, 0.2442



50.9265, 0.3079, 0.5248



50.9265, 0.2014, 0.1772

Square

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



50.9265, 0.3079, 0.5248



50.9265, 0.1393, 0.2260



50.9265, 0.2859, 0.1986



50.9265, 0.5220, 0.3762

Rectangle

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



50.9265, 0.3079, 0.5248



50.9265, 0.1737, 0.3549



50.9265, 0.2859, 0.1986



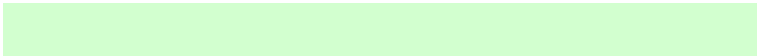
50.9265, 0.4653, 0.2844

Sweetspot

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



50.9286, 0.3079, 0.5248



89.6800, 0.3123, 0.3810



57.6232, 0.4060, 0.4622



18.9119, 0.3122, 0.3899



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



50.9286, 0.3079, 0.5248



73.5827, 0.3055, 0.5623



51.6983, 0.2770, 0.4468



13.9357, 0.3126, 0.3530



29.1443, 0.3016, 0.5987



1.7723, 0.3066, 0.5948

Inverse Universe

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



23.8774, 0.3096, 0.1832



30.0672, 0.3079, 0.1632



22.8341, 0.3892, 0.2401



12.5879, 0.3127, 0.3060



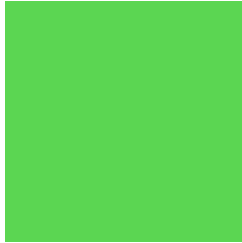
10.3338, 0.3041, 0.1449



0.6364, 0.3072, 0.1466

Previews

White Background



This preview shows how the Yxy color 50.9265, 0.3079, 0.5248 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 50.9265, 0.3079, 0.5248 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 50.9265, 0.3079, 0.5248

Background



This preview shows how black text looks on a background with the Yxy color 50.9265, 0.3079, 0.5248.

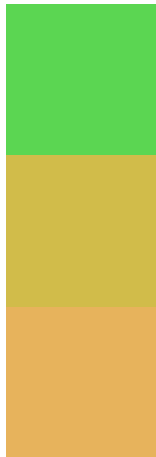


This preview shows how white text looks on a background with the Yxy color 50.9265, 0.3079, 0.5248.

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

50.9265, 0.3079, 0.5248

Protanopia

50.0162, 0.4165, 0.4578

Deuteranopia

50.0018, 0.4319, 0.4234



Tritanopia

50.8480, 0.2496, 0.3074

Trichromacy



Original Color

50.9265, 0.3079, 0.5248



Protanomaly

48.5753, 0.3701, 0.4855



Deuteranomaly

48.1072, 0.3792, 0.4627



Tritanomaly

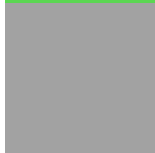
50.2848, 0.2721, 0.3846

Monochromacy



Original Color

50.9265, 0.3079, 0.5248



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

39.9754, 0.3117, 0.4031

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.9265, 0.3079, 0.5248 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(91, 214, 82)` looks like.

```
.text, #text, p{  
  color:rgb(91, 214, 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(91, 214, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 214, 82) }
```

Border

The CSS property to change the border of an element to Yxy 50.9265, 0.3079, 0.5248 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(91, 214, 82) }
```

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

```
.border{ border-color:rgb(91, 214, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 214, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 214, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 214, 82);  
box-shadow:4px 4px 4px 4px rgb(91, 214,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 50.9265, 0.3079, 0.5248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 214, 82) }
```

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

```
.background{ background-color: rgb(91, 214,  
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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