

Converting Colors

$Yxy(50.8485, 0.3059, 0.4951)$

Have a look what the booklet for
Yxy(50.8485, 0.3059, 0.4951)
contains.

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Color

Yxy(50.9101, 0.3061, 0.4949)

Conversions

Conversions Part 1

Format	Color
Hex	67D465
RGB	103, 212, 101
RGB Percent	40%, 83%, 40%
CMY	0.5959, 0.1686, 0.6040
CMYK	0.51, 0.00, 0.52, 0.17
HSL	119°, 56%, 61%
HSV	119°, 52%, 83%
XYZ	31.4883, 50.9101, 20.4710
YIQ	166.7550, -29.3330, -57.6290

Conversions

Conversions Part 2

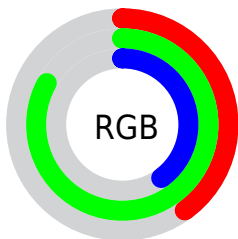
Format	Color
RYB	101, 212, 210
Decimal	6804581
CIELab	76.62, -53.27, 45.12
CIELCh	77, 69.814, 139.735
Yxy	50.9101, 0.3061, 0.4949
Android (android.graphics.Color)	4284994661 (0xFF67D465)
YUV	166.7550, -32.4172, -55.9131
Hunter-Lab	71.3513, -46.0902, 32.9353

Details

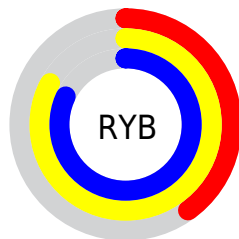
The Yxy color **50.9101, 0.3061, 0.4949** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **27.7468, 0.3164, 0.2037**, and the grayscale version is **38.6942, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.4302, 0.3109, 0.4498**, and **24.4193, 0.2966, 0.5461** is the 20% darker color. If you saturate the color by 10%, you get **49.4675, 0.3045, 0.5288**, and if you desaturate by 10%, it is **52.7702, 0.3077, 0.4592**.

Distribution



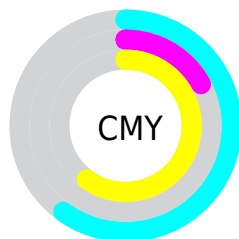
- Red (40%)
- Green (83%)
- Blue (40%)



- Red (40%)
- Yellow (83%)
- Blue (82%)



- Cyan (51%)
- Magenta (0%)
- Yellow (52%)
- Black (17%)





- Cyan (60%)
- Magenta (17%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.9101, 0.3061, 0.4949 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 50.9101, 0.3061, 0.4949 by changing the saturation by 10% instead.


 50.9101, 0.3061,
0.4949

 50.9101, 0.3061,
0.4949

390.2144, 0.3138,
0.4074

 36.1371, 0.3026,
0.5176


 91.5219, 0.3100,
0.4623

 24.5401, 0.2971,
0.5470


 118.1294, 0.3112,
0.4503

 15.7347, 0.2881,
0.5861


 149.4505, 0.3120,
0.4402

 9.3366, 0.2722,
0.6394

 185.8697, 0.3126,
0.4316

 4.9614, 0.2518,
0.7400

227.7713, 0.3130,
0.4243

 2.2246, 0.1679,
0.8321

275.5397, 0.3133,

 0.7334, 0.0000,

0.4179

1.0000

329.5592, 0.3136,
0.4123

0.0000, 0.0000,
0.0000

50.9101, 0.3061,
0.4949

50.9101, 0.3061,
0.4949

49.4675, 0.3045,
0.5288

52.7702, 0.3077,
0.4592

48.4044, 0.3030,
0.5582

55.0698, 0.3091,
0.4241

47.6868, 0.3017,
0.5805

57.8366, 0.3104,
0.3911

47.2719, 0.3007,
0.5942

61.0945, 0.3116,
0.3612

47.1126, 0.3003,
0.5997

64.8657, 0.3125,
0.3348

■ 69.1710, 0.3133,
0.3117

■ 74.0301, 0.3140,
0.2918

■ 75.5671, 0.3147,
0.2871

Harmonies

Analogous

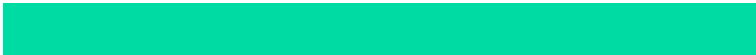
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



50.9101, 0.3932, 0.4966



50.9101, 0.3061, 0.4949



50.9101, 0.2254, 0.4179

Triad

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



50.9101, 0.3061, 0.4949



50.9101, 0.1712, 0.1980



50.9101, 0.4728, 0.3149

Complementary

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



50.9101, 0.3061, 0.4949



27.7468, 0.3164, 0.2037

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.



50.9101, 0.3930, 0.2568



50.9101, 0.3061, 0.4949



50.9101, 0.2175, 0.1926

Square

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



50.9101, 0.3061, 0.4949



50.9101, 0.1562, 0.2355



50.9101, 0.2957, 0.2136



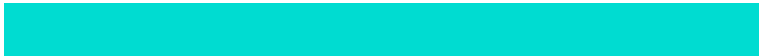
50.9101, 0.4978, 0.3798

Rectangle

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



50.9101, 0.3061, 0.4949



50.9101, 0.1866, 0.3463



50.9101, 0.2957, 0.2136



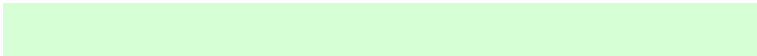
50.9101, 0.4509, 0.2944

Sweetspot

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



50.9122, 0.3061, 0.4949



90.8264, 0.3112, 0.3722



60.1940, 0.3905, 0.4509



19.2198, 0.3109, 0.3784



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.



50.9122, 0.3061, 0.4949



74.8949, 0.3043, 0.5329



52.1450, 0.2770, 0.4169



13.9069, 0.3119, 0.3531



29.0897, 0.3004, 0.5997



1.7585, 0.3018, 0.5985

Inverse Universe

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



27.7468, 0.3164, 0.2037



35.9840, 0.3167, 0.1831



25.8437, 0.3804, 0.2576



12.6204, 0.3135, 0.3060



11.2225, 0.3163, 0.1516



0.6807, 0.3171, 0.1521

Previews

White Background



This preview shows how the Yxy color 50.9101, 0.3061, 0.4949 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 50.9101, 0.3061, 0.4949 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 50.9101, 0.3061, 0.4949

Background



This preview shows how black text looks on a background with the Yxy color 50.9101, 0.3061, 0.4949.



This preview shows how white text looks on a background with the Yxy color 50.9101, 0.3061, 0.4949.

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

50.9101, 0.3061, 0.4949

Protanopia

50.1666, 0.4041, 0.4410

Deuteranopia

49.8383, 0.4166, 0.4081



Tritanopia

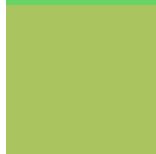
50.8556, 0.2537, 0.3075

Trichromacy



Original Color

50.9101, 0.3061, 0.4949



Protanomaly

49.3231, 0.3629, 0.4630



Deuteranomaly

48.3695, 0.3707, 0.4399



Tritanomaly

50.1637, 0.2733, 0.3722

Monochromacy



Original Color

50.9101, 0.3061, 0.4949



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

41.7794, 0.3107, 0.3888

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.9101, 0.3061, 0.4949 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(103, 212, 101)` looks like.

```
.text, #text, p{  
    color:rgb(103, 212, 101)  
}
```

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(103, 212, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 212, 101) }
```

Border

The CSS property to change the border of an element to Yxy 50.9101, 0.3061, 0.4949 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(103, 212, 101) }
```

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

```
.border{ border-color:rgb(103, 212, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 212, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 212, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 212, 101);  
box-shadow:4px 4px 4px 4px rgb(103, 212,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 50.9101, 0.3061, 0.4949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 212, 101) }
```

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

```
.background{ background-color: rgb(103,  
212, 101) }
```

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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