

Converting Colors

$Yxy(52.4878, 0.3105, 0.5118)$

Have a look what the booklet for
Yxy(52.4878, 0.3105, 0.5118)
contains.

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Color

Yxy(52.6747, 0.3104, 0.5128)

Conversions

Conversions Part 1

Format	Color
Hex	66D85A
RGB	102, 216, 90
RGB Percent	40%, 85%, 35%
CMY	0.5998, 0.1529, 0.6470
CMYK	0.53, 0.00, 0.58, 0.15
HSL	114°, 62%, 60%
HSV	114°, 58%, 85%
XYZ	31.8842, 52.6747, 18.1609
YIQ	167.5500, -27.4980, -63.3540

Conversions

Conversions Part 2

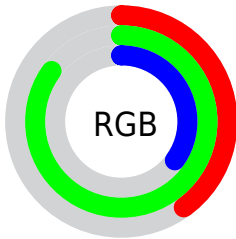
Format	Color
RYB	90, 216, 204
Decimal	6740058
CIELab	77.68, -56.39, 51.43
CIELCh	78, 76.320, 137.633
Yxy	52.6747, 0.3104, 0.5128
Android (android.graphics.Color)	4284930138 (0xFF66D85A)
YUV	167.5500, -38.2321, -57.4873
Hunter-Lab	72.5773, -48.5928, 35.9681

Details

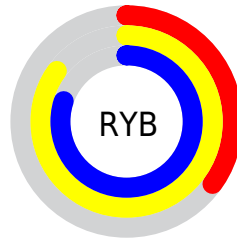
The Yxy color **52.6747, 0.3104, 0.5128** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **25.1049, 0.3062, 0.1878**, and the grayscale version is **39.1327, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.1107, 0.3158, 0.4616**, and **25.6091, 0.3007, 0.5684** is the 20% darker color. If you saturate the color by 10%, you get **51.3503, 0.3086, 0.5440**, and if you desaturate by 10%, it is **54.3794, 0.3117, 0.4785**.

Distribution



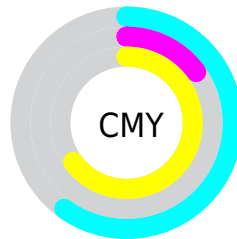
- Red (40%)
- Green (85%)
- Blue (35%)



- Red (35%)
- Yellow (85%)
- Blue (80%)



- Cyan (53%)
- Magenta (0%)
- Yellow (58%)
- Black (15%)




- Cyan (60%)
- Magenta (15%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.6747, 0.3104, 0.5128 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 52.6747, 0.3104, 0.5128 by changing the saturation by 10% instead.


 52.6747, 0.3104,
0.5128


 52.6747, 0.3104,
0.5128

397.0358, 0.3171,
0.4164


 37.5431, 0.3067,
0.5374


 94.1255, 0.3143,
0.4772


 25.6283, 0.3007,
0.5687


 121.2136, 0.3153,
0.4640

 16.5458, 0.2907,
0.6096


 153.0559, 0.3160,
0.4528

 9.9112, 0.2729,
0.6637

 190.0370, 0.3165,
0.4434

 5.3401, 0.2463,
0.7537

232.5411, 0.3168,
0.4352

 2.4482, 0.1651,
0.8349

280.9527, 0.3169,

 0.8505, 0.0000,

0.4281

1.0000

335.6561, 0.3171,
0.4219

■ 0.0000, 0.0000,
0.0000

■ 52.6747, 0.3104,
0.5128

■ 52.6747, 0.3104,
0.5128

■ 51.3503, 0.3086,
0.5440

■ 54.3794, 0.3117,
0.4785

■ 50.3708, 0.3065,
0.5695

■ 56.4835, 0.3126,
0.4435

■ 49.7055, 0.3043,
0.5874

■ 59.0126, 0.3130,
0.4097

■ 49.3123, 0.3022,
0.5972

■ 61.9884, 0.3131,
0.3784

■ 49.2669, 0.3019,
0.5985

■ 65.4309, 0.3130,
0.3501

■ 69.3592, 0.3127,
0.3250

■ 73.7912, 0.3122,
0.3032

■ 77.5915, 0.3145,
0.2910

Harmonies

Analogous

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



52.6747, 0.4028, 0.5058



52.6747, 0.3104, 0.5128



52.6747, 0.2235, 0.4337

Triad

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



52.6747, 0.3104, 0.5128



52.6747, 0.1603, 0.1909



52.6747, 0.4811, 0.3080

Complementary

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



52.6747, 0.3104, 0.5128



25.1049, 0.3062, 0.1878

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.



52.6747, 0.3917, 0.2479



52.6747, 0.3104, 0.5128



52.6747, 0.2063, 0.1837

Square

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



52.6747, 0.3104, 0.5128



52.6747, 0.1467, 0.2323



52.6747, 0.2870, 0.2040



52.6747, 0.5116, 0.3756

Rectangle

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



52.6747, 0.3104, 0.5128



52.6747, 0.1811, 0.3550



52.6747, 0.2870, 0.2040



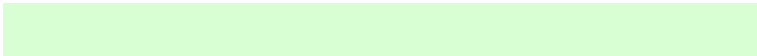
52.6747, 0.4562, 0.2868

Sweetspot

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



52.6769, 0.3104, 0.5128



90.8226, 0.3131, 0.3749



58.2385, 0.4031, 0.4548



19.2367, 0.3131, 0.3809



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.



52.6769, 0.3104, 0.5128



74.4044, 0.3082, 0.5505



53.1911, 0.2790, 0.4425



13.9521, 0.3130, 0.3530



29.1821, 0.3024, 0.5981



1.7800, 0.3092, 0.5927

Inverse Universe

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



25.1049, 0.3062, 0.1878



30.6278, 0.3037, 0.1664



24.6514, 0.3803, 0.2415



12.5696, 0.3123, 0.3059



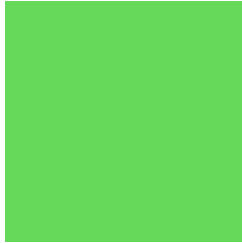
9.8574, 0.2971, 0.1411



0.6125, 0.3015, 0.1435

Previews

White Background



This preview shows how the Yxy color 52.6747, 0.3104, 0.5128 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 52.6747, 0.3104, 0.5128 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 52.6747, 0.3104, 0.5128

Background



This preview shows how black text looks on a background with the Yxy color 52.6747, 0.3104, 0.5128.



This preview shows how white text looks on a background with the Yxy color 52.6747, 0.3104, 0.5128.

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

52.6747, 0.3104, 0.5128

Protanopia

51.8678, 0.4125, 0.4523

Deuteranopia

51.8684, 0.4267, 0.4179



Tritanopia

52.4935, 0.2533, 0.3078

Trichromacy



Original Color

52.6747, 0.3104, 0.5128



Protanomaly

50.7351, 0.3696, 0.4770



Deuteranomaly

49.8672, 0.3786, 0.4533



Tritanomaly

52.0122, 0.2751, 0.3805

Monochromacy



Original Color

52.6747, 0.3104, 0.5128



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

42.5207, 0.3128, 0.3961

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.6747, 0.3104, 0.5128 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(102, 216, 90)` looks like.

```
.text, #text, p{  
    color:rgb(102, 216, 90)  
}
```

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(102, 216, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 216, 90) }
```

Border

The CSS property to change the border of an element to Yxy 52.6747, 0.3104, 0.5128 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(102, 216, 90) }
```

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

```
.border{ border-color:rgb(102, 216, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 216, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 216, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 216, 90);  
box-shadow:4px 4px 4px 4px rgb(102, 216,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 52.6747, 0.3104, 0.5128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 216, 90) }
```

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

```
.background{ background-color: rgb(102,  
216, 90) }
```

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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