

Converting Colors

$Y_{xy}(50.6930, 0.3085, 0.5508)$

Have a look what the booklet for
Yxy(50.6930, 0.3085, 0.5508)
contains.

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Color

Yxy(50.5795, 0.3084, 0.5504)

Conversions

Conversions Part 1

Format	Color
Hex	4ED73F
RGB	78, 215, 63
RGB Percent	31%, 84%, 25%
CMY	0.6941, 0.1569, 0.7528
CMYK	0.64, 0.00, 0.71, 0.16
HSL	114°, 66%, 55%
HSV	114°, 71%, 84%
XYZ	28.3407, 50.5795, 12.9757
YIQ	156.7090, -32.8600, -76.3160

Conversions

Conversions Part 2

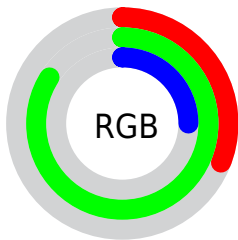
Format	Color
RYB	63, 215, 200
Decimal	5166911
CIELab	76.42, -64.34, 60.93
CIELCh	76, 88.613, 136.560
Yxy	50.5795, 0.3084, 0.5504
Android (android.graphics.Color)	4283356991 (0xFF4ED73F)
YUV	156.7090, -46.1985, -69.0278
Hunter-Lab	71.1193, -53.3273, 38.9660

Details

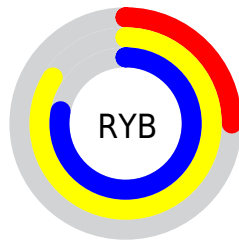
The Yxy color **50.5795, 0.3084, 0.5504** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **20.7480, 0.3032, 0.1661**, and the grayscale version is **33.8054, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6027, 0.3164, 0.4949**, and **24.7963, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **49.6846, 0.3062, 0.5743**, and if you desaturate by 10%, it is **51.8137, 0.3102, 0.5203**.

Distribution



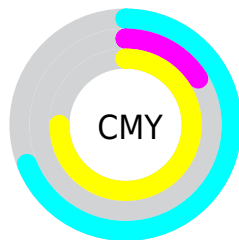
- Red (31%)
- Green (84%)
- Blue (25%)



- Red (25%)
- Yellow (84%)
- Blue (78%)



- Cyan (64%)
- Magenta (0%)
- Yellow (71%)
- Black (16%)





- Cyan (69%)
- Magenta (16%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.5795, 0.3084, 0.5504 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 50.5795, 0.3084, 0.5504 by changing the saturation by 10% instead.


 50.5795, 0.3084,
0.5504

 50.5795, 0.3084,
0.5504


388.9278, 0.3190,
0.4336

 35.8741, 0.3026,
0.5797


 91.0329, 0.3145,
0.5074


 24.3370, 0.2932,
0.6166


 117.5497, 0.3161,
0.4913

 15.5838, 0.2777,
0.6633


 148.7723, 0.3172,
0.4778

 9.2301, 0.2554,
0.7342

 185.0853, 0.3179,
0.4663

 4.8916, 0.2056,
0.7944

 226.8729, 0.3184,
0.4564

 2.1838, 0.0673,
0.9327


274.5196, 0.3187,

 0.7111, 0.0000,


0.4478

1.0000


328.4098, 0.3189,
0.4402


 0.0000, 0.0000,
0.0000


 50.5795, 0.3084,
0.5504


 50.5795, 0.3084,
0.5504


 49.6846, 0.3062,
0.5743


 51.8137, 0.3102,
0.5203


 49.0891, 0.3039,
0.5902


 53.4097, 0.3116,
0.4866


 48.7638, 0.3020,
0.5984

 55.3956, 0.3126,
0.4516

 57.7949, 0.3131,
0.4174

 60.6291, 0.3132,
0.3854

 63.9183, 0.3131,
0.3564

 67.6815, 0.3127,
0.3306

 71.9363, 0.3123,
0.3080

 76.6003, 0.3127,
0.2898

Harmonies

Analogous

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



50.5795, 0.4128, 0.5286



50.5795, 0.3084, 0.5504



50.5795, 0.2102, 0.4595

Triad

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



50.5795, 0.3084, 0.5504



50.5795, 0.1399, 0.1726



50.5795, 0.5072, 0.2989

Complementary

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



50.5795, 0.3084, 0.5504



20.7480, 0.3032, 0.1661

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.



50.5795, 0.3998, 0.2337



50.5795, 0.3084, 0.5504



50.5795, 0.1884, 0.1649

Square

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



50.5795, 0.3084, 0.5504



50.5795, 0.1259, 0.2179



50.5795, 0.2776, 0.1864



50.5795, 0.5420, 0.3721

Rectangle

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



50.5795, 0.3084, 0.5504



50.5795, 0.1629, 0.3624



50.5795, 0.2776, 0.1864



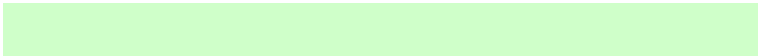
50.5795, 0.4774, 0.2759

Sweetspot

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



50.5816, 0.3084, 0.5504



88.9844, 0.3132, 0.3870



56.0254, 0.4181, 0.4729



18.7854, 0.3132, 0.3957



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.



50.5816, 0.3084, 0.5504



72.6101, 0.3050, 0.5835



51.1108, 0.2766, 0.4716



13.9539, 0.3130, 0.3530



29.1869, 0.3025, 0.5980



1.7809, 0.3095, 0.5925

Inverse Universe

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



20.7480, 0.3032, 0.1661



26.0537, 0.2995, 0.1485



20.3463, 0.4019, 0.2293



12.5676, 0.3122, 0.3059



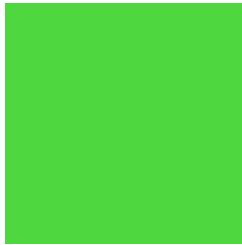
9.8058, 0.2964, 0.1406



0.6099, 0.3009, 0.1431

Previews

White Background



This preview shows how the Yxy color 50.5795, 0.3084, 0.5504 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 50.5795, 0.3084, 0.5504 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 50.5795, 0.3084, 0.5504

Background



This preview shows how black text looks on a background with the Yxy color 50.5795, 0.3084, 0.5504.

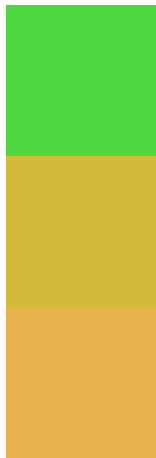


This preview shows how white text looks on a background with the Yxy color 50.5795, 0.3084, 0.5504.

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

50.5795, 0.3084, 0.5504

Protanopia

49.5278, 0.4271, 0.4694

Deuteranopia

49.5184, 0.4440, 0.4353



Tritanopia

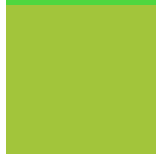
50.3605, 0.2461, 0.3072

Trichromacy



Original Color

50.5795, 0.3084, 0.5504



Protanomaly

47.9297, 0.3749, 0.5040



Deuteranomaly

46.9466, 0.3858, 0.4807



Tritanomaly

49.4825, 0.2713, 0.3964

Monochromacy



Original Color

50.5795, 0.3084, 0.5504



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

37.8600, 0.3127, 0.4169

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.5795, 0.3084, 0.5504 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(78, 215, 63)` looks like.

```
.text, #text, p{  
  color:rgb(78, 215, 63)  
}
```

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(78, 215, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 215, 63) }
```

Border

The CSS property to change the border of an element to Yxy 50.5795, 0.3084, 0.5504 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(78, 215, 63) }
```

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

```
.border{ border-color:rgb(78, 215, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 215, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 215, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 215, 63);  
box-shadow:4px 4px 4px 4px rgb(78, 215,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 50.5795, 0.3084, 0.5504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 215, 63) }
```

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

```
.background{ background-color: rgb(78, 215,  
63) }
```

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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