

Converting Colors

Yxy(51.0633, 0.3106, 0.4594)

Have a look what the booklet for
Yxy(51.0633, 0.3106, 0.4594)
contains.

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Color

Yxy(50.8036, 0.3105, 0.4594)

Conversions

Conversions Part 1

Format	Color
Hex	7DD077
RGB	125, 208, 119
RGB Percent	49%, 82%, 47%
CMY	0.5100, 0.1843, 0.5334
CMYK	0.40, 0.00, 0.43, 0.18
HSL	116°, 49%, 64%
HSV	116°, 43%, 82%
XYZ	34.3372, 50.8036, 25.4460
YIQ	173.0370, -20.8990, -45.2750

Conversions

Conversions Part 2

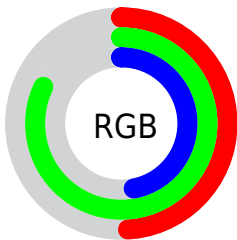
Format	Color
RYB	119, 208, 202
Decimal	8245367
CIELab	76.56, -42.86, 36.39
CIElCh	77, 56.227, 139.664
Yxy	50.8036, 0.3105, 0.4594
Android (android.graphics.Color)	4286435447 (0xFF7DD077)
YUV	173.0370, -26.6402, -42.1284
Hunter-Lab	71.2766, -38.7425, 28.7269

Details

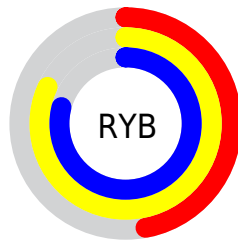
The Yxy color **50.8036, 0.3105, 0.4594** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **30.3107, 0.3115, 0.2229**, and the grayscale version is **41.9505, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3223, 0.3135, 0.4246**, and **24.5142, 0.3055, 0.4995** is the 20% darker color. If you saturate the color by 10%, you get **49.0394, 0.3092, 0.4946**, and if you desaturate by 10%, it is **52.9669, 0.3114, 0.4247**.

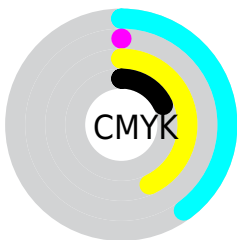
Distribution



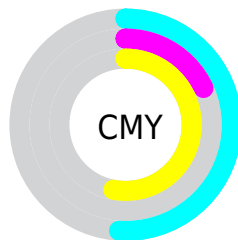
- Red (49%)
- Green (82%)
- Blue (47%)



- Red (47%)
- Yellow (82%)
- Blue (79%)



- Cyan (40%)
- Magenta (0%)
- Yellow (43%)
- Black (18%)





- Cyan (51%)
- Magenta (18%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.8036, 0.3105, 0.4594 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 50.8036, 0.3105, 0.4594 by changing the saturation by 10% instead.


 50.8036, 0.3105,
0.4594

 50.8036, 0.3105,
0.4594


389.8002, 0.3143,
0.3911


 36.0523, 0.3086,
0.4772


 91.3644, 0.3126,
0.4340

 24.4746, 0.3056,
0.5002


 117.9427, 0.3131,
0.4246

 15.6861, 0.3004,
0.5313

 149.2322, 0.3135,
0.4168

 9.3023, 0.2912,
0.5747

185.6171, 0.3138,
0.4101

 4.9389, 0.2741,
0.6407

227.4820, 0.3140,
0.4044

 2.2114, 0.2394,
0.7606

275.2113, 0.3141,

 0.7262, 0.0000,

0.3994

1.0000

329.1892, 0.3142,
0.3950

0.0000, 0.0000,
0.0000

50.8036, 0.3105,
0.4594

50.8036, 0.3105,
0.4594

49.0394, 0.3092,
0.4946

52.9669, 0.3114,
0.4247

47.6438, 0.3077,
0.5280

55.5446, 0.3121,
0.3920

46.5926, 0.3059,
0.5571


58.5593, 0.3125,
0.3623


45.8557, 0.3040,
0.5793

62.0300, 0.3127,
0.3358

45.3977, 0.3022,
0.5933

65.9743, 0.3127,
0.3126

 45.2105, 0.3013,
0.5990

 70.4094, 0.3127,
0.2925

 73.5977, 0.3149,
0.2831

Harmonies

Analogous

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



50.8036, 0.3828, 0.4659



50.8036, 0.3105, 0.4594



50.8036, 0.2427, 0.3996

Triad

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



50.8036, 0.3105, 0.4594



50.8036, 0.1939, 0.2203



50.8036, 0.4417, 0.3198

Complementary

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



50.8036, 0.3105, 0.4594



30.3107, 0.3115, 0.2229

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.



50.8036, 0.3780, 0.2694



50.8036, 0.3105, 0.4594



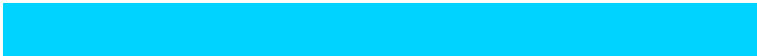
50.8036, 0.2342, 0.2144

Square

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



50.8036, 0.3105, 0.4594



50.8036, 0.1812, 0.2541



50.8036, 0.2997, 0.2322



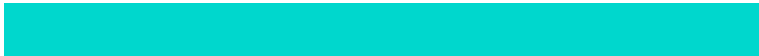
50.8036, 0.4641, 0.3758

Rectangle

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



50.8036, 0.3105, 0.4594



50.8036, 0.2092, 0.3448



50.8036, 0.2997, 0.2322



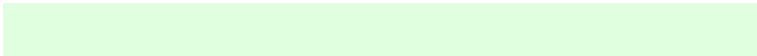
50.8036, 0.4241, 0.3020

Sweetspot

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



50.8057, 0.3105, 0.4594



92.6442, 0.3125, 0.3633



56.3276, 0.3794, 0.4263



19.5893, 0.3124, 0.3697



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.



50.8057, 0.3105, 0.4594



78.0394, 0.3094, 0.4904



51.4423, 0.2845, 0.4046



13.2435, 0.3126, 0.3530



28.1891, 0.3016, 0.5987



1.5897, 0.3068, 0.5946

Inverse Universe

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



30.3107, 0.3115, 0.2229



41.5209, 0.3108, 0.2033



29.5409, 0.3581, 0.2647



11.9671, 0.3127, 0.3060



10.0100, 0.3043, 0.1450



0.5721, 0.3075, 0.1468

Previews

White Background



This preview shows how the Yxy color 50.8036, 0.3105, 0.4594 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 50.8036, 0.3105, 0.4594 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 50.8036, 0.3105, 0.4594

Background



This preview shows how black text looks on a background with the Yxy color 50.8036, 0.3105, 0.4594.



This preview shows how white text looks on a background with the Yxy color 50.8036, 0.3105, 0.4594.

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

50.8036, 0.3105, 0.4594

Protanopia

50.2359, 0.3897, 0.4227

Deuteranopia

50.1564, 0.3995, 0.3918



Tritanopia

50.5762, 0.2636, 0.3078

Trichromacy



Original Color

50.8036, 0.3105, 0.4594



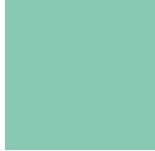
Protanomaly

49.5922, 0.3581, 0.4365



Deuteranomaly

49.0758, 0.3642, 0.4159



Tritanomaly

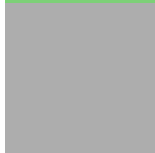
50.2622, 0.2804, 0.3597

Monochromacy



Original Color

50.8036, 0.3105, 0.4594



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

44.4856, 0.3130, 0.3761

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.8036, 0.3105, 0.4594 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(125, 208, 119)` looks like.

```
.text, #text, p{  
    color:rgb(125, 208, 119)  
}
```

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(125, 208, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 208, 119) }
```

Border

The CSS property to change the border of an element to Yxy 50.8036, 0.3105, 0.4594 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(125, 208, 119) }
```

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

```
.border{ border-color:rgb(125, 208, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 208, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 208, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 208, 119);  
box-shadow:4px 4px 4px 4px rgb(125, 208,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 50.8036, 0.3105, 0.4594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 208, 119) }
```

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

```
.background{ background-color: rgb(125,  
208, 119) }
```

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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