

Converting Colors

Yxy(53.9645, 0.3061, 0.4638)

Have a look what the booklet for
Yxy(53.9645, 0.3061, 0.4638)
contains.

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Color

Yxy(54.0463, 0.3064, 0.4646)

Conversions

Conversions Part 1

Format	Color
Hex	79D779
RGB	121, 215, 121
RGB Percent	47%, 84%, 47%
CMY	0.5252, 0.1569, 0.5255
CMYK	0.44, 0.00, 0.44, 0.16
HSL	120°, 54%, 66%
HSV	120°, 44%, 84%
XYZ	35.6431, 54.0463, 26.6393
YIQ	176.1780, -25.8500, -49.1620

Conversions

Conversions Part 2

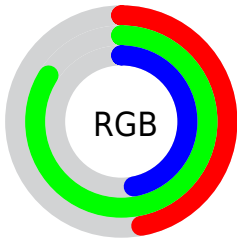
Format	Color
RYB	121, 215, 215
Decimal	7985017
CIELab	78.49, -46.71, 37.82
CIElCh	78, 60.107, 141.004
Yxy	54.0463, 0.3064, 0.4646
Android (android.graphics.Color)	4286175097 (0xFF79D779)
YUV	176.1780, -27.2028, -48.3911
Hunter-Lab	73.5162, -42.1106, 29.9771

Details

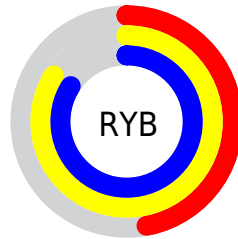
The Yxy color **54.0463, 0.3064, 0.4646** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **33.0141, 0.3176, 0.2226**, and the grayscale version is **43.6770, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0801, 0.3101, 0.4215**, and **26.3285, 0.3003, 0.5063** is the 20% darker color. If you saturate the color by 10%, you get **52.1945, 0.3047, 0.5004**, and if you desaturate by 10%, it is **56.3658, 0.3081, 0.4291**.

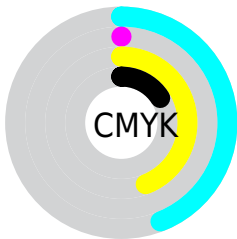
Distribution



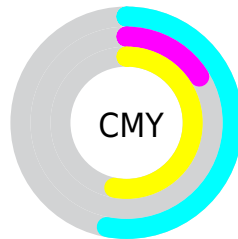
- Red (47%)
- Green (84%)
- Blue (47%)



- Red (47%)
- Yellow (84%)
- Blue (84%)



- Cyan (44%)
- Magenta (0%)
- Yellow (44%)
- Black (16%)





- Cyan (53%)
- Magenta (16%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.0463, 0.3064, 0.4646 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 54.0463, 0.3064, 0.4646 by changing the saturation by 10% instead.


 54.0463, 0.3064,
0.4646


 54.0463, 0.3064,
0.4646


402.2865, 0.3124,
0.3941

 38.6387, 0.3039,
0.4828

 96.1422, 0.3093,
0.4385

 26.4788, 0.3002,
0.5062


 123.5993, 0.3101,
0.4288

 17.1821, 0.2942,
0.5376


 155.8417, 0.3108,
0.4207

 10.3644, 0.2840,
0.5811

193.2537, 0.3113,
0.4138

 5.6413, 0.2651,
0.6446

236.2198, 0.3117,
0.4079

 2.6282, 0.2345,
0.7655

285.1244, 0.3120,

 0.9409, 0.0000,

0.4027

1.0000

340.3519, 0.3122,
0.3981

0.0000, 0.0000,
0.0000

54.0463, 0.3064,
0.4646

54.0463, 0.3064,
0.4646

52.1945, 0.3047,
0.5004

56.3658, 0.3081,
0.4291

50.7725, 0.3031,
0.5340

59.1744, 0.3096,
0.3956

49.7476, 0.3018,
0.5625


62.5005, 0.3110,
0.3651


49.0796, 0.3008,
0.5835

66.3680, 0.3123,
0.3382

48.7195, 0.3002,
0.5958

70.7997, 0.3134,
0.3146

 48.5996, 0.3000,
0.6000

 75.8170, 0.3143,
0.2943

 77.0785, 0.3145,
0.2900

Harmonies

Analogous

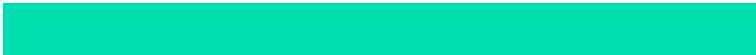
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



54.0463, 0.3819, 0.4730



54.0463, 0.3064, 0.4646



54.0463, 0.2367, 0.3994

Triad

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



54.0463, 0.3064, 0.4646



54.0463, 0.1905, 0.2150



54.0463, 0.4499, 0.3214

Complementary

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



54.0463, 0.3064, 0.4646



33.0141, 0.3176, 0.2226

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.



54.0463, 0.3845, 0.2690



54.0463, 0.3064, 0.4646



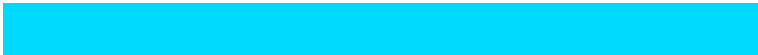
54.0463, 0.2333, 0.2103

Square

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



54.0463, 0.3064, 0.4646



54.0463, 0.1761, 0.2482



54.0463, 0.3024, 0.2297



54.0463, 0.4707, 0.3794

Rectangle

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



54.0463, 0.3064, 0.4646



54.0463, 0.2029, 0.3413



54.0463, 0.3024, 0.2297



54.0463, 0.4321, 0.3029

Sweetspot

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



54.0486, 0.3064, 0.4646



92.2959, 0.3111, 0.3634



63.6311, 0.3781, 0.4345



19.5049, 0.3108, 0.3699



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.



54.0486, 0.3064, 0.4646



77.1096, 0.3049, 0.4961



55.4318, 0.2804, 0.3975



13.8964, 0.3116, 0.3531



29.0701, 0.3000, 0.6000



1.7535, 0.3001, 0.5999

Inverse Universe

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



33.0141, 0.3176, 0.2226



42.4777, 0.3185, 0.2042



31.0049, 0.3669, 0.2704



12.6322, 0.3138, 0.3060



11.5606, 0.3207, 0.1540



0.6974, 0.3208, 0.1541

Previews

White Background



This preview shows how the Yxy color 54.0463, 0.3064, 0.4646 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 54.0463, 0.3064, 0.4646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

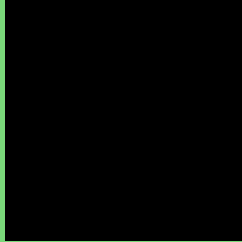
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 54.0463, 0.3064, 0.4646

Background



This preview shows how black text looks on a background with the Yxy color 54.0463, 0.3064, 0.4646.

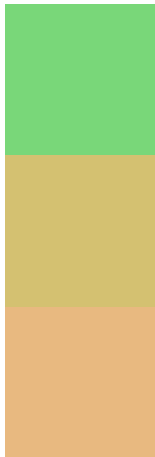


This preview shows how white text looks on a background with the Yxy color 54.0463, 0.3064, 0.4646.

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

54.0463, 0.3064, 0.4646

Protanopia

53.3292, 0.3909, 0.4237

Deuteranopia

53.4122, 0.4015, 0.3933



Tritanopia

54.0158, 0.2596, 0.3082

Trichromacy



Original Color

54.0463, 0.3064, 0.4646



Protanomaly

52.6179, 0.3562, 0.4397



Deuteranomaly

52.1670, 0.3631, 0.4192



Tritanomaly

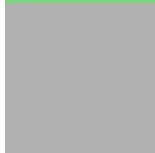
53.6408, 0.2769, 0.3619

Monochromacy



Original Color

54.0463, 0.3064, 0.4646



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

46.2951, 0.3105, 0.3770

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.0463, 0.3064, 0.4646 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(121, 215, 121)` looks like.

```
.text, #text, p{  
    color:rgb(121, 215, 121)  
}
```

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(121, 215, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 215, 121) }
```

Border

The CSS property to change the border of an element to Yxy 54.0463, 0.3064, 0.4646 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(121, 215, 121) }
```

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

```
.border{ border-color:rgb(121, 215, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 215, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 215, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 215, 121);  
box-shadow:4px 4px 4px 4px rgb(121, 215,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 54.0463, 0.3064, 0.4646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 215, 121) }
```

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

```
.background{ background-color: rgb(121,  
215, 121) }
```

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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