

Converting Colors

$Yxy(58.4711, 0.3027, 0.5078)$

Have a look what the booklet for
Yxy(58.4711, 0.3027, 0.5078)
contains.

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Color

Yxy(58.4744, 0.3028, 0.5081)

Conversions

Conversions Part 1

Format	Color
Hex	62E365
RGB	98, 227, 101
RGB Percent	38%, 89%, 40%
CMY	0.6161, 0.1098, 0.6039
CMYK	0.57, 0.00, 0.56, 0.11
HSL	121°, 70%, 64%
HSV	121°, 57%, 89%
XYZ	34.8476, 58.4744, 21.7625
YIQ	174.0650, -36.4380, -66.5340

Conversions

Conversions Part 2

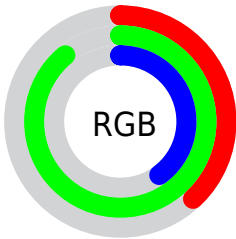
Format	Color
RYB	98, 224, 227
Decimal	6480741
CIELab	81.00, -60.25, 50.31
CIELCh	81, 78.493, 140.138
Yxy	58.4744, 0.3028, 0.5081
Android (android.graphics.Color)	4284670821 (0xFF62E365)
YUV	174.0650, -36.0210, -66.7090
Hunter-Lab	76.4686, -52.4755, 36.6544

Details

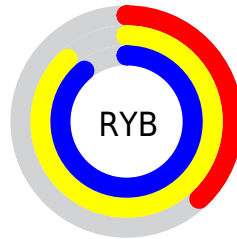
The Yxy color **58.4744, 0.3028, 0.5081** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **30.4282, 0.3221, 0.1981**, and the grayscale version is **42.5544, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2575, 0.3093, 0.4490**, and **29.1013, 0.2925, 0.5608** is the 20% darker color. If you saturate the color by 10%, you get **57.0121, 0.3014, 0.5404**, and if you desaturate by 10%, it is **60.4165, 0.3045, 0.4731**.

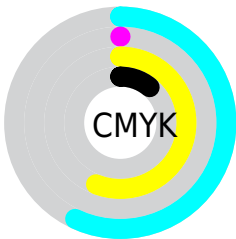
Distribution



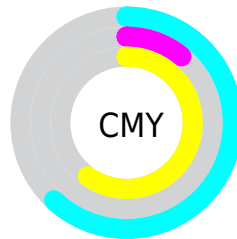
- Red (38%)
- Green (89%)
- Blue (40%)



- Red (38%)
- Yellow (88%)
- Blue (89%)



- Cyan (57%)
- Magenta (0%)
- Yellow (56%)
- Black (11%)



- Cyan (62%)
- Magenta (11%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.4744, 0.3028, 0.5081 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 58.4744, 0.3028, 0.5081 by changing the saturation by 10% instead.

 58.4744, 0.3028,
0.5081

 58.4744, 0.3028,
0.5081


418.9513, 0.3127,
0.4154

 42.1902, 0.2987,
0.5314

 102.6134, 0.3076,
0.4741


 29.2502, 0.2924,
0.5612


 131.2369, 0.3091,
0.4614

 19.2702, 0.2826,
0.5999


 164.7423, 0.3101,
0.4507

 11.8657, 0.2662,
0.6513

 203.5140, 0.3110,
0.4415

 6.6523, 0.2419,
0.7338

247.9363, 0.3116,
0.4336

 3.2456, 0.1855,
0.8145

298.3937, 0.3121,

 1.2613, 0.0000,

0.4268

1.0000

355.2706, 0.3124,
0.4207

0.1109, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

58.4744, 0.3028,
0.5081

58.4744, 0.3028,
0.5081

57.0121, 0.3014,
0.5404

60.4165, 0.3045,
0.4731

55.9815, 0.3004,
0.5672


62.8671, 0.3064,
0.4378

55.3373, 0.2998,
0.5863


65.8614, 0.3082,
0.4042

55.0190, 0.2998,
0.5969

69.4293, 0.3100,
0.3734

 54.9576, 0.2997,
0.5988

 73.5985, 0.3117,
0.3459

 78.3948, 0.3132,
0.3218

 83.4257, 0.3140,
0.3019

Harmonies

Analogous

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



58.4744, 0.3952, 0.5080



58.4744, 0.3028, 0.5081



58.4744, 0.2179, 0.4235

Triad

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



58.4744, 0.3028, 0.5081



58.4744, 0.1636, 0.1899



58.4744, 0.4851, 0.3136

Complementary

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



58.4744, 0.3028, 0.5081



30.4282, 0.3221, 0.1981

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.



58.4744, 0.3999, 0.2529



58.4744, 0.3028, 0.5081



58.4744, 0.2123, 0.1851

Square

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



58.4744, 0.3028, 0.5081



58.4744, 0.1475, 0.2279



58.4744, 0.2953, 0.2075



58.4744, 0.5098, 0.3814

Rectangle

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



58.4744, 0.3028, 0.5081



58.4744, 0.1778, 0.3452



58.4744, 0.2953, 0.2075



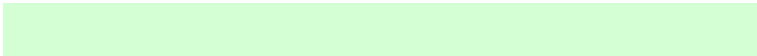
58.4744, 0.4620, 0.2923

Sweetspot

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



58.4768, 0.3028, 0.5081



90.2535, 0.3100, 0.3741



71.8111, 0.3923, 0.4642



19.1045, 0.3096, 0.3801



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.



58.4768, 0.3028, 0.5081



73.9640, 0.3012, 0.5450



60.2396, 0.2717, 0.4170



16.0947, 0.3112, 0.3527



32.0495, 0.2996, 0.5984



2.3703, 0.2983, 0.5940

Inverse Universe

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



30.4282, 0.3221, 0.1981



34.1892, 0.3238, 0.1797



27.5999, 0.3982, 0.2591



14.6089, 0.3142, 0.3064



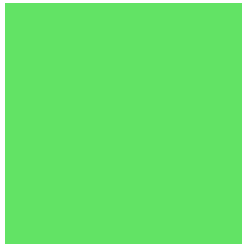
12.5886, 0.3270, 0.1575



0.9322, 0.3260, 0.1570

Previews

White Background



This preview shows how the Yxy color 58.4744, 0.3028, 0.5081 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 58.4744, 0.3028, 0.5081 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 58.4744, 0.3028, 0.5081

Background



This preview shows how black text looks on a background with the Yxy color 58.4744, 0.3028, 0.5081.



This preview shows how white text looks on a background with the Yxy color 58.4744, 0.3028, 0.5081.

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

58.4744, 0.3028, 0.5081

Protanopia

57.4534, 0.4084, 0.4478

Deuteranopia

57.2077, 0.4222, 0.4122



Tritanopia

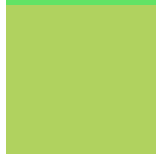
57.9472, 0.2488, 0.3060

Trichromacy



Original Color

58.4744, 0.3028, 0.5081



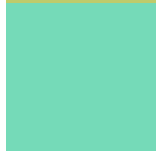
Protanomaly

56.1495, 0.3628, 0.4736



Deuteranomaly

54.8498, 0.3716, 0.4480



Tritanomaly

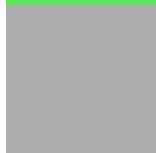
57.3854, 0.2689, 0.3758

Monochromacy



Original Color

58.4744, 0.3028, 0.5081



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

46.3575, 0.3088, 0.3956

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.4744, 0.3028, 0.5081 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(98, 227, 101)` looks like.

```
.text, #text, p{  
    color:rgb(98, 227, 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(98, 227, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 227, 101) }
```

Border

The CSS property to change the border of an element to Yxy 58.4744, 0.3028, 0.5081 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(98, 227, 101) }
```

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

```
.border{ border-color:rgb(98, 227, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 227, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 227, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 227, 101);  
box-shadow:4px 4px 4px 4px rgb(98, 227,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 58.4744, 0.3028, 0.5081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 227, 101) }
```

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

```
.background{ background-color: rgb(98, 227,  
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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