

Converting Colors

Yxy(58.1512, 0.3054, 0.4836)

Have a look what the booklet for
Yxy(58.1512, 0.3054, 0.4836)
contains.

Yxy(58.1265, 0.3049, 0.4831)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(58.1265, 0.3049, 0.4831)

Conversions

Conversions Part 1

Format	Color
Hex	72E073
RGB	114, 224, 115
RGB Percent	45%, 88%, 45%
CMY	0.5531, 0.1215, 0.5490
CMYK	0.49, 0.00, 0.49, 0.12
HSL	121°, 64%, 66%
HSV	121°, 49%, 88%
XYZ	36.6855, 58.1265, 25.5078
YIQ	178.6840, -30.5710, -57.2190

Conversions

Conversions Part 2

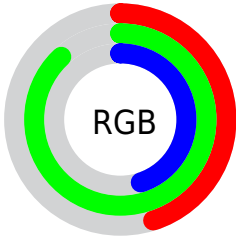
Format	Color
RYB	114, 223, 224
Decimal	7528563
CIELab	80.81, -53.24, 43.62
CIElCh	81, 68.824, 140.669
Yxy	58.1265, 0.3049, 0.4831
Android (android.graphics.Color)	4285718643 (0xFF72E073)
YUV	178.6840, -31.3962, -56.7279
Hunter-Lab	76.2407, -47.5307, 33.5319

Details

The Yxy color **58.1265, 0.3049, 0.4831** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **33.1986, 0.3193, 0.2117**, and the grayscale version is **45.0805, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1552, 0.3097, 0.4297**, and **29.1055, 0.2969, 0.5286** is the 20% darker color. If you saturate the color by 10%, you get **56.3561, 0.3033, 0.5180**, and if you desaturate by 10%, it is **60.3924, 0.3066, 0.4473**.

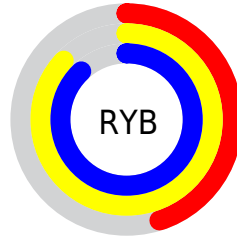
Distribution



Red (45%)

Green (88%)

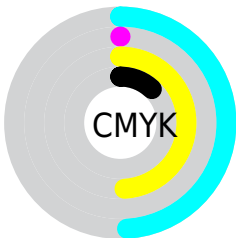
Blue (45%)



Red (45%)

Yellow (87%)

Blue (88%)

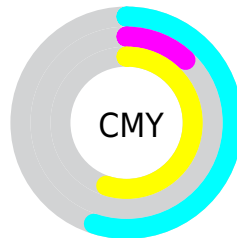


Cyan (49%)

Magenta (0%)

Yellow (49%)

Black (12%)



Cyan (55%)


Magenta (12%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.1265, 0.3049, 0.4831 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 58.1265, 0.3049, 0.4831 by changing the saturation by 10% instead.


 58.1265, 0.3049,
0.4831

 58.1265, 0.3049,
0.4831

417.6571, 0.3124,
0.4036

 41.9104, 0.3018,
0.5032

 102.1070, 0.3085,
0.4539

 29.0311, 0.2972,
0.5291


 130.6402, 0.3096,
0.4430

 19.1044, 0.2899,
0.5631


 164.0479, 0.3104,
0.4338

 11.7457, 0.2776,
0.6093

202.7144, 0.3110,
0.4260

 6.5708, 0.2562,
0.6756

247.0242, 0.3115,
0.4192

 3.1951, 0.2180,
0.7820

297.3617, 0.3119,

 1.2344, 0.0000,

0.4133

1.0000

354.1112, 0.3122,
0.4082

■ 0.0896, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.1265, 0.3049,
0.4831

■ 58.1265, 0.3049,
0.4831

■ 56.3561, 0.3033,
0.5180

■ 60.3924, 0.3066,
0.4473

■ 55.0376, 0.3018,
0.5492


■ 63.1791, 0.3084,
0.4128

■ 54.1321, 0.3008,
0.5741


■ 66.5190, 0.3100,
0.3808

■ 53.5908, 0.3002,
0.5907

■ 70.4395, 0.3115,
0.3521

 53.3380, 0.2999,
0.5990

 74.9666, 0.3128,
0.3269

 53.3212, 0.2999,
0.5995

 80.1242, 0.3140,
0.3051

 81.7965, 0.3141,
0.2990

Harmonies

Analogous

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



58.1265, 0.3880, 0.4887



58.1265, 0.3049, 0.4831



58.1265, 0.2284, 0.4094

Triad

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



58.1265, 0.3049, 0.4831



58.1265, 0.1785, 0.2037



58.1265, 0.4654, 0.3184

Complementary

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



58.1265, 0.3049, 0.4831



33.1986, 0.3193, 0.2117

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.



58.1265, 0.3915, 0.2620



58.1265, 0.3049, 0.4831



58.1265, 0.2242, 0.1990

Square

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



58.1265, 0.3049, 0.4831



58.1265, 0.1632, 0.2392



58.1265, 0.2996, 0.2199



58.1265, 0.4880, 0.3810

Rectangle

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



58.1265, 0.3049, 0.4831



58.1265, 0.1917, 0.3428



58.1265, 0.2996, 0.2199



58.1265, 0.4453, 0.2985

Sweetspot

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



58.1289, 0.3049, 0.4831



91.2493, 0.3106, 0.3689



70.3792, 0.3846, 0.4479



19.2995, 0.3103, 0.3751



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.



58.1289, 0.3049, 0.4831



75.5365, 0.3032, 0.5189



59.7548, 0.2764, 0.4053



15.3394, 0.3114, 0.3530



31.0348, 0.2998, 0.5994



2.1519, 0.2993, 0.5975

Inverse Universe

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



33.1986, 0.3193, 0.2117



38.3992, 0.3205, 0.1921



30.7373, 0.3792, 0.2654



13.9333, 0.3139, 0.3061



12.2906, 0.3233, 0.1555



0.8527, 0.3229, 0.1553

Previews

White Background



This preview shows how the Yxy color 58.1265, 0.3049, 0.4831 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 58.1265, 0.3049, 0.4831 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

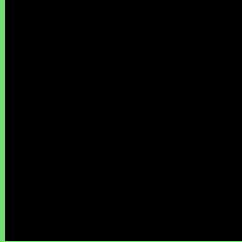
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.1265, 0.3049, 0.4831

Background



This preview shows how black text looks on a background with the Yxy color 58.1265, 0.3049, 0.4831.

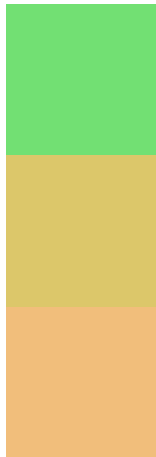


This preview shows how white text looks on a background with the Yxy color 58.1265, 0.3049, 0.4831.

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

58.1265, 0.3049, 0.4831

Protanopia

57.1031, 0.3994, 0.4341

Deuteranopia

56.9577, 0.4106, 0.4014



Tritanopia

57.5932, 0.2550, 0.3074

Trichromacy



Original Color

58.1265, 0.3049, 0.4831



Protanomaly

56.0396, 0.3597, 0.4543



Deuteranomaly

55.1992, 0.3669, 0.4307



Tritanomaly

57.3667, 0.2733, 0.3682

Monochromacy



Original Color

58.1265, 0.3049, 0.4831



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

48.3991, 0.3094, 0.3836

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.1265, 0.3049, 0.4831 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(114, 224, 115)` looks like.

```
.text, #text, p{  
    color:rgb(114, 224, 115)  
}
```

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(114, 224, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 224, 115) }
```

Border

The CSS property to change the border of an element to Yxy 58.1265, 0.3049, 0.4831 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(114, 224, 115) }
```

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

```
.border{ border-color:rgb(114, 224, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 224, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 224, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 224, 115);  
box-shadow:4px 4px 4px 4px rgb(114, 224,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 58.1265, 0.3049, 0.4831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 224, 115) }
```

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

```
.background{ background-color: rgb(114,  
224, 115) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor