

Converting Colors

Yxy(59.8405, 0.3069, 0.4529)

Have a look what the booklet for
Yxy(59.8405, 0.3069, 0.4529)
contains.

Yxy(59.9913, 0.3069, 0.4538)	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(59.9913, 0.3069, 0.4538)

Conversions

Conversions Part 1

Format	Color
Hex	85E085
RGB	133, 224, 133
RGB Percent	52%, 88%, 52%
CMY	0.4781, 0.1216, 0.4784
CMYK	0.41, 0.00, 0.41, 0.12
HSL	120°, 59%, 70%
HSV	120°, 41%, 88%
XYZ	40.5715, 59.9913, 31.6349
YIQ	186.4170, -25.0250, -47.5930

Conversions

Conversions Part 2

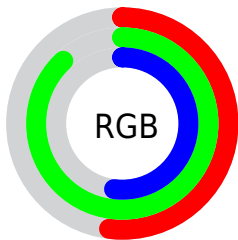
Format	Color
RYB	133, 224, 224
Decimal	8773765
CIELab	81.83, -45.23, 36.21
CIELCh	82, 57.938, 141.314
Yxy	59.9913, 0.3069, 0.4538
Android (android.graphics.Color)	4286963845 (0xFF85E085)
YUV	186.4170, -26.3346, -46.8467
Hunter-Lab	77.4541, -42.0439, 30.0018

Details

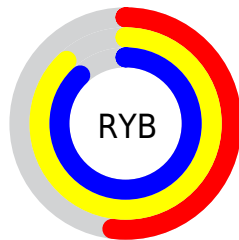
The Yxy color **59.9913, 0.3069, 0.4538** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **37.9957, 0.3173, 0.2294**, and the grayscale version is **49.5212, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0550, 0.3109, 0.4056**, and **30.1922, 0.3017, 0.4901** is the 20% darker color. If you saturate the color by 10%, you get **57.8061, 0.3052, 0.4898**, and if you desaturate by 10%, it is **62.7018, 0.3085, 0.4187**.

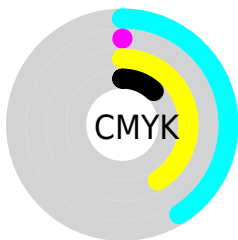
Distribution



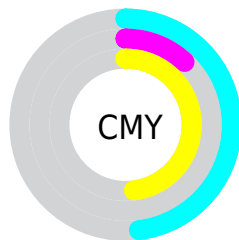
- Red (52%)
- Green (88%)
- Blue (52%)



- Red (52%)
- Yellow (88%)
- Blue (88%)



- Cyan (41%)
- Magenta (0%)
- Yellow (41%)
- Black (12%)





- Cyan (48%)
- Magenta (12%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.9913, 0.3069, 0.4538 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 59.9913, 0.3069, 0.4538 by changing the saturation by 10% instead.

 59.9913, 0.3069,
0.4538


 59.9913, 0.3069,
0.4538

424.5657, 0.3121,
0.3902


 43.4116, 0.3049,
0.4698


 104.8170, 0.3093,
0.4305

 30.2082, 0.3018,
0.4903


 133.8319, 0.3101,
0.4218

 19.9967, 0.2971,
0.5175


 167.7606, 0.3107,
0.4145

 12.3926, 0.2892,
0.5548

206.9876, 0.3111,
0.4082

 7.0117, 0.2750,
0.6082

251.8972, 0.3115,
0.4028

 3.4694, 0.2585,
0.7207

302.8738, 0.3117,

 1.3814, 0.0927,

0.3981

0.9073

360.3018, 0.3119,
0.3939

■ 0.2030, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.9913, 0.3069,
0.4538

■ 59.9913, 0.3069,
0.4538

■ 57.8061, 0.3052,
0.4898

■ 62.7018, 0.3085,
0.4187

■ 56.1052, 0.3036,
0.5244


■ 65.9605, 0.3101,
0.3859


■ 54.8541, 0.3022,
0.5548


■ 69.7978, 0.3114,
0.3565


■ 54.0102, 0.3010,
0.5783

■ 74.2401, 0.3126,
0.3305

 53.5227, 0.3003,
0.5931

 79.3117, 0.3137,
0.3080

 53.3083, 0.3000,
0.6000

 81.7873, 0.3141,
0.2989

Harmonies

Analogous

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



59.9913, 0.3778, 0.4635



59.9913, 0.3069, 0.4538



59.9913, 0.2414, 0.3935

Triad

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



59.9913, 0.3069, 0.4538



59.9913, 0.1979, 0.2217



59.9913, 0.4409, 0.3232

Complementary

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



59.9913, 0.3069, 0.4538



37.9957, 0.3173, 0.2294

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.



59.9913, 0.3805, 0.2732



59.9913, 0.3069, 0.4538



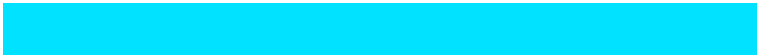
59.9913, 0.2389, 0.2172

Square

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



59.9913, 0.3069, 0.4538



59.9913, 0.1840, 0.2534



59.9913, 0.3042, 0.2358



59.9913, 0.4603, 0.3782

Rectangle

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



59.9913, 0.3069, 0.4538



59.9913, 0.2094, 0.3402



59.9913, 0.3042, 0.2358



59.9913, 0.4244, 0.3056

Sweetspot

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



59.9938, 0.3069, 0.4538



92.8383, 0.3112, 0.3606



70.0358, 0.3739, 0.4277



19.7198, 0.3111, 0.3643



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.



59.9938, 0.3069, 0.4538



77.8898, 0.3054, 0.4853



61.4686, 0.2822, 0.3919



15.3377, 0.3116, 0.3532



31.0319, 0.3000, 0.6000



2.1511, 0.3001, 0.6000

Inverse Universe

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



37.9957, 0.3173, 0.2294



44.4420, 0.3182, 0.2103



35.9205, 0.3618, 0.2744



13.9352, 0.3138, 0.3059



12.3425, 0.3207, 0.1541



0.8557, 0.3208, 0.1541

Previews

White Background



This preview shows how the Yxy color 59.9913, 0.3069, 0.4538 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 59.9913, 0.3069, 0.4538 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 59.9913, 0.3069, 0.4538

Background



This preview shows how black text looks on a background with the Yxy color 59.9913, 0.3069, 0.4538.



This preview shows how white text looks on a background with the Yxy color 59.9913, 0.3069, 0.4538.

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

59.9913, 0.3069, 0.4538

Protanopia

59.0939, 0.3857, 0.4171

Deuteranopia

59.1778, 0.3953, 0.3880



Tritanopia

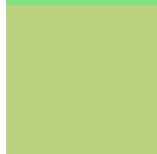
59.9771, 0.2620, 0.3080

Trichromacy



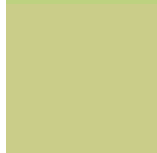
Original Color

59.9913, 0.3069, 0.4538



Protanomaly

58.4705, 0.3535, 0.4313



Deuteranomaly

58.0253, 0.3598, 0.4118



Tritanomaly

59.5856, 0.2781, 0.3576

Monochromacy



Original Color

59.9913, 0.3069, 0.4538



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

52.3141, 0.3106, 0.3730

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.9913, 0.3069, 0.4538 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(133, 224, 133)` looks like.

```
.text, #text, p{  
    color:rgb(133, 224, 133)  
}
```

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(133, 224, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 224, 133) }
```

Border

The CSS property to change the border of an element to Yxy 59.9913, 0.3069, 0.4538 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(133, 224, 133) }
```

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

```
.border{ border-color:rgb(133, 224, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 224, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(133, 224, 133); -webkit-box-shadow:4px 4px 4px 4px rgb(133, 224, 133); box-shadow:4px 4px 4px 4px rgb(133, 224, 133) }
```


Background

The CSS property to change the background color of an element to Yxy 59.9913, 0.3069, 0.4538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 224, 133) }
```

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

```
.background{ background-color: rgb(133,  
224, 133) }
```

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