

Converting Colors

Yxy(59.7006, 0.3357, 0.5191)

Have a look what the booklet for
Yxy(59.7006, 0.3357, 0.5191)
contains.

Yxy(59.7189, 0.3357, 0.5191)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(59.7189, 0.3357, 0.5191)

Conversions

Conversions Part 1

Format	Color
Hex	89E14E
RGB	137, 225, 78
RGB Percent	54%, 88%, 31%
CMY	0.4627, 0.1176, 0.6940
CMYK	0.39, 0.00, 0.65, 0.12
HSL	96°, 71%, 59%
HSV	96°, 65%, 88%
XYZ	38.6200, 59.7189, 16.7043
YIQ	181.9300, -5.2610, -64.3730

Conversions

Conversions Part 2

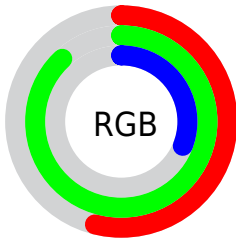
Format	Color
RYB	78, 225, 166
Decimal	9036110
CIELab	81.69, -50.72, 61.36
CIELCh	82, 79.607, 129.580
Yxy	59.7189, 0.3357, 0.5191
Android (android.graphics.Color)	4287226190 (0xFF89E14E)
YUV	181.9300, -51.2375, -39.4036
Hunter-Lab	77.2780, -46.0304, 41.2786

Details

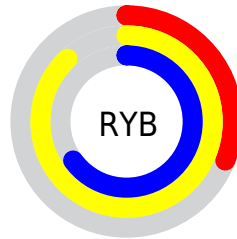
The Yxy color **59.7189, 0.3357, 0.5191** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **18.9982, 0.2579, 0.1529**, and the grayscale version is **47.0306, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8156, 0.3423, 0.4645**, and **30.0624, 0.3313, 0.5701** is the 20% darker color. If you saturate the color by 10%, you get **58.3835, 0.3343, 0.5440**, and if you desaturate by 10%, it is **61.3119, 0.3352, 0.4903**.

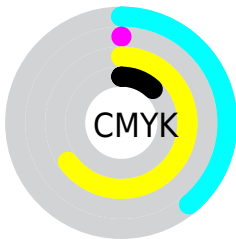
Distribution



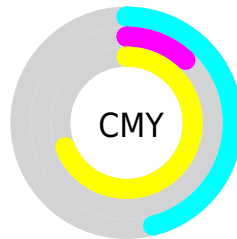
- Red (54%)
- Green (88%)
- Blue (31%)



- Red (31%)
- Yellow (88%)
- Blue (65%)



- Cyan (39%)
- Magenta (0%)
- Yellow (65%)
- Black (12%)





- Cyan (46%)
- Magenta (12%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.7189, 0.3357, 0.5191 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 59.7189, 0.3357, 0.5191 by changing the saturation by 10% instead.


 59.7189, 0.3357,
0.5191

 59.7189, 0.3357,
0.5191


 423.5609, 0.3313,
0.4233


 43.1921, 0.3343,
0.5419

 104.4218, 0.3359,
0.4848


 30.0359, 0.3311,
0.5701


 133.3667, 0.3355,
0.4718


 19.8658, 0.3244,
0.6053

 167.2197, 0.3349,
0.4606

 12.2975, 0.3115,
0.6497

 206.3653, 0.3342,
0.4511

 6.9467, 0.2889,
0.7111

 251.1878, 0.3335,
0.4427

 3.4288, 0.2362,
0.7638

302.0716, 0.3327,

 1.3595, 0.0000,

0.4355

1.0000

359.4012, 0.3320,
0.4290

■ 0.1866, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.7189, 0.3357,
0.5191

■ 59.7189, 0.3357,
0.5191

■ 58.3835, 0.3343,
0.5440

■ 61.3119, 0.3352,
0.4903

■ 57.2811, 0.3310,
0.5635


■ 63.1699, 0.3331,
0.4594


■ 56.3941, 0.3260,
0.5768


■ 65.3092, 0.3297,
0.4280

■ 56.0400, 0.3234,
0.5814


■ 67.7424, 0.3254,
0.3975

 70.4813, 0.3206,
0.3687

 73.5369, 0.3155,
0.3421

 76.9199, 0.3103,
0.3180

 80.4431, 0.3071,
0.2993

 82.3310, 0.3141,
0.2999

Harmonies

Analogous

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



59.7189, 0.4255, 0.4928



59.7189, 0.3357, 0.5191



59.7189, 0.2447, 0.4622

Triad

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



59.7189, 0.3357, 0.5191



59.7189, 0.1535, 0.1982



59.7189, 0.4616, 0.2908

Complementary

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



59.7189, 0.3357, 0.5191



18.9982, 0.2579, 0.1529

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.



59.7189, 0.3630, 0.2341



59.7189, 0.3357, 0.5191



59.7189, 0.1905, 0.1827

Square

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



59.7189, 0.3357, 0.5191



59.7189, 0.1485, 0.2506



59.7189, 0.2621, 0.1960



59.7189, 0.5103, 0.3570

Rectangle

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



59.7189, 0.3357, 0.5191



59.7189, 0.1961, 0.3869



59.7189, 0.2621, 0.1960



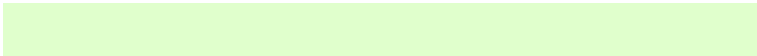
59.7189, 0.4321, 0.2704

Sweetspot

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



59.7215, 0.3357, 0.5191



91.8020, 0.3230, 0.3823



43.0247, 0.4485, 0.4226



19.4322, 0.3243, 0.3906



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.



59.7215, 0.3357, 0.5191



77.0348, 0.3334, 0.5510



56.2150, 0.2983, 0.5252



15.6043, 0.3176, 0.3528



32.3563, 0.3245, 0.5805



2.2939, 0.3367, 0.5709

Inverse Universe

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



18.9982, 0.2579, 0.1529



19.1917, 0.2435, 0.1257



26.2526, 0.3329, 0.1910



13.6470, 0.3074, 0.3054



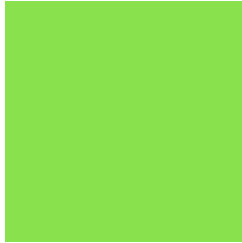
6.1560, 0.2232, 0.1003



0.4784, 0.2380, 0.1085

Previews

White Background



This preview shows how the Yxy color 59.7189, 0.3357, 0.5191 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 59.7189, 0.3357, 0.5191 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

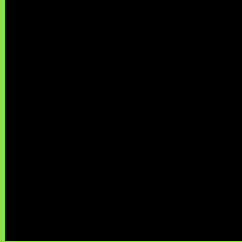
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.7189, 0.3357, 0.5191

Background



This preview shows how black text looks on a background with the Yxy color 59.7189, 0.3357, 0.5191.



This preview shows how white text looks on a background with the Yxy color 59.7189, 0.3357, 0.5191.

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

59.7189, 0.3357, 0.5191

Protanopia

58.8777, 0.4218, 0.4629

Deuteranopia

58.7445, 0.4403, 0.4305



Tritanopia

59.1128, 0.2679, 0.3080

Trichromacy



Original Color

59.7189, 0.3357, 0.5191



Protanomaly

58.0569, 0.3883, 0.4845



Deuteranomaly

57.3969, 0.3995, 0.4629



Tritanomaly

58.2934, 0.2956, 0.3847

Monochromacy



Original Color

59.7189, 0.3357, 0.5191



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

50.5088, 0.3265, 0.4027

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.7189, 0.3357, 0.5191 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(137, 225, 78)` looks like.

```
.text, #text, p{  
    color:rgb(137, 225, 78)  
}
```

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(137, 225, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 225, 78) }
```

Border

The CSS property to change the border of an element to Yxy 59.7189, 0.3357, 0.5191 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(137, 225, 78) }
```

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

```
.border{ border-color:rgb(137, 225, 78) }
```

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

Here you see how a box with a 4 pixel rgb(137, 225, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 225, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 225, 78);  
box-shadow:4px 4px 4px 4px rgb(137, 225,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 59.7189, 0.3357, 0.5191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 225, 78) }
```

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

```
.background{ background-color: rgb(137,  
225, 78) }
```

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