

Converting Colors

Yxy(59.5067, 0.3040, 0.4884)

Have a look what the booklet for
Yxy(59.5067, 0.3040, 0.4884)
contains.

Yxy(59.5099, 0.3041, 0.4891)	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(59.5099, 0.3041, 0.4891)

Conversions

Conversions Part 1

Format	Color
Hex	6FE371
RGB	111, 227, 113
RGB Percent	44%, 89%, 44%
CMY	0.5649, 0.1098, 0.5568
CMYK	0.51, 0.00, 0.50, 0.11
HSL	121°, 67%, 66%
HSV	121°, 51%, 89%
XYZ	37.0005, 59.5099, 25.1618
YIQ	179.3200, -32.5420, -60.0460

Conversions

Conversions Part 2

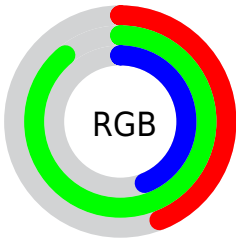
Format	Color
RYB	111, 225, 227
Decimal	7332721
CIELab	81.57, -55.48, 45.49
CIELCh	82, 71.748, 140.648
Yxy	59.5099, 0.3041, 0.4891
Android (android.graphics.Color)	4285522801 (0xFF6FE371)
YUV	179.3200, -32.6958, -59.9166
Hunter-Lab	77.1427, -49.3843, 34.6611

Details

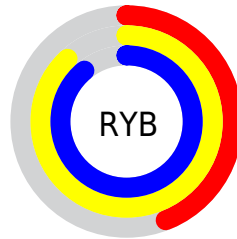
The Yxy color **59.5099, 0.3041, 0.4891** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **33.1229, 0.3205, 0.2084**, and the grayscale version is **45.4445, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8561, 0.3096, 0.4325**, and **30.0671, 0.2961, 0.5370** is the 20% darker color. If you saturate the color by 10%, you get **57.7810, 0.3025, 0.5234**, and if you desaturate by 10%, it is **61.7412, 0.3059, 0.4535**.

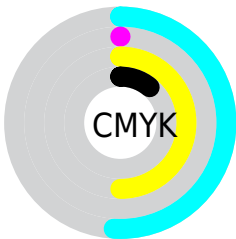
Distribution



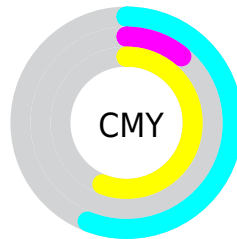
- Red (44%)
- Green (89%)
- Blue (44%)



- Red (44%)
- Yellow (88%)
- Blue (89%)



- Cyan (51%)
- Magenta (0%)
- Yellow (50%)
- Black (11%)





- Cyan (56%)
- Magenta (11%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.5099, 0.3041, 0.4891 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 59.5099, 0.3041, 0.4891 by changing the saturation by 10% instead.


 59.5099, 0.3041,
0.4891


 59.5099, 0.3041,
0.4891


422.7889, 0.3123,
0.4067

 43.0237, 0.3008,
0.5099

 104.1184, 0.3080,
0.4589

 29.9037, 0.2958,
0.5364


 133.0095, 0.3092,
0.4476

 19.7655, 0.2880,
0.5712


 166.8043, 0.3101,
0.4381

 12.2247, 0.2750,
0.6181

205.8874, 0.3108,
0.4300

 6.8969, 0.2527,
0.6852

250.6429, 0.3113,
0.4229

 3.3977, 0.2126,
0.7874

301.4555, 0.3117,

 1.3427, 0.0000,

0.4168

1.0000

358.7093, 0.3120,
0.4115

■ 0.1739, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.5099, 0.3041,
0.4891

■ 59.5099, 0.3041,
0.4891

■ 57.7810, 0.3025,
0.5234

■ 61.7412, 0.3059,
0.4535

■ 56.5088, 0.3012,
0.5536


■ 64.5016, 0.3077,
0.4188


■ 55.6523, 0.3003,
0.5772


■ 67.8248, 0.3094,
0.3865


■ 55.1593, 0.2999,
0.5924

■ 71.7393, 0.3111,
0.3574

 54.9527, 0.2998,
0.5991

 76.2722, 0.3126,
0.3317

 81.4484, 0.3139,
0.3094

 83.4239, 0.3140,
0.3019

Harmonies

Analogous

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



59.5099, 0.3896, 0.4938



59.5099, 0.3041, 0.4891



59.5099, 0.2255, 0.4125

Triad

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



59.5099, 0.3041, 0.4891



59.5099, 0.1748, 0.2001



59.5099, 0.4705, 0.3175

Complementary

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



59.5099, 0.3041, 0.4891



33.1229, 0.3205, 0.2084

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.



59.5099, 0.3940, 0.2599



59.5099, 0.3041, 0.4891



59.5099, 0.2214, 0.1955

Square

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



59.5099, 0.3041, 0.4891



59.5099, 0.1592, 0.2361



59.5099, 0.2989, 0.2169



59.5099, 0.4935, 0.3815

Rectangle

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



59.5099, 0.3041, 0.4891



59.5099, 0.1880, 0.3430



59.5099, 0.2989, 0.2169



59.5099, 0.4498, 0.2972

Sweetspot

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



59.5124, 0.3041, 0.4891



91.2656, 0.3104, 0.3685



72.1101, 0.3857, 0.4529



19.3034, 0.3101, 0.3747



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.



59.5124, 0.3041, 0.4891



75.1617, 0.3025, 0.5242



61.2568, 0.2744, 0.4064



16.0933, 0.3113, 0.3529



32.0471, 0.2997, 0.5988



2.3696, 0.2988, 0.5955

Inverse Universe

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



33.1229, 0.3205, 0.2084



37.3121, 0.3219, 0.1896



30.4813, 0.3857, 0.2652



14.6106, 0.3141, 0.3063



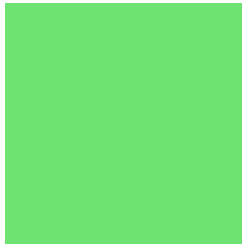
12.6321, 0.3254, 0.1566



0.9349, 0.3247, 0.1562

Previews

White Background



This preview shows how the Yxy color 59.5099, 0.3041, 0.4891 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 59.5099, 0.3041, 0.4891 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 59.5099, 0.3041, 0.4891

Background



This preview shows how black text looks on a background with the Yxy color 59.5099, 0.3041, 0.4891.



This preview shows how white text looks on a background with the Yxy color 59.5099, 0.3041, 0.4891.

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

59.5099, 0.3041, 0.4891

Protanopia

58.3024, 0.4013, 0.4372

Deuteranopia

58.3375, 0.4128, 0.4036



Tritanopia

59.1810, 0.2535, 0.3076

Trichromacy



Original Color

59.5099, 0.3041, 0.4891



Protanomaly

57.0998, 0.3609, 0.4581



Deuteranomaly

56.7303, 0.3672, 0.4346



Tritanomaly

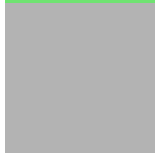
58.8831, 0.2726, 0.3707

Monochromacy



Original Color

59.5099, 0.3041, 0.4891



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

48.7164, 0.3092, 0.3865

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.5099, 0.3041, 0.4891 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(111, 227, 113)` looks like.

```
.text, #text, p{  
    color:rgb(111, 227, 113)  
}
```

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(111, 227, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 227, 113) }
```

Border

The CSS property to change the border of an element to Yxy 59.5099, 0.3041, 0.4891 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(111, 227, 113) }
```

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

```
.border{ border-color:rgb(111, 227, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 227, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 227, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 227, 113);  
box-shadow:4px 4px 4px 4px rgb(111, 227,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 59.5099, 0.3041, 0.4891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 227, 113) }
```

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

```
.background{ background-color: rgb(111,  
227, 113) }
```

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