

Converting Colors

Yxy(67.4099, 0.3383, 0.5503)

Have a look what the booklet for
Yxy(67.4099, 0.3383, 0.5503)
contains.

Yxy(67.6019, 0.3382, 0.5506)	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(67.6019, 0.3382, 0.5506)

Conversions

Conversions Part 1

Format	Color
Hex	86F030
RGB	134, 240, 48
RGB Percent	53%, 94%, 19%
CMY	0.4745, 0.0588, 0.8118
CMYK	0.44, 0.00, 0.80, 0.06
HSL	93°, 86%, 56%
HSV	93°, 80%, 94%
XYZ	41.5237, 67.6019, 13.6530
YIQ	186.4180, -1.5440, -82.1840

Conversions

Conversions Part 2

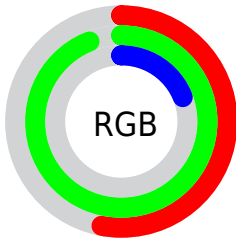
Format	Color
R_{YB}	48, 240, 154
Decimal	8843312
CIE _{Lab}	85.81, -59.43, 75.43
CIE _{LCh}	86, 96.026, 128.236
Yxy	67.6019, 0.3382, 0.5506
Android (android.graphics.Color)	4287033392 (0xFF86F030)
YUV	186.4180, -68.2401, -45.9706
Hunter-Lab	82.2204, -53.7379, 47.7090

Details

The Yxy color **67.6019, 0.3382, 0.5506** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **15.2732, 0.2331, 0.1182**, and the grayscale version is **49.7402, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1151, 0.3521, 0.4870**, and **35.2066, 0.3228, 0.5819** is the 20% darker color. If you saturate the color by 10%, you get **66.4361, 0.3342, 0.5667**, and if you desaturate by 10%, it is **69.0170, 0.3402, 0.5287**.

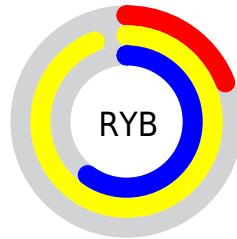
Distribution



Red (53%)

Green (94%)

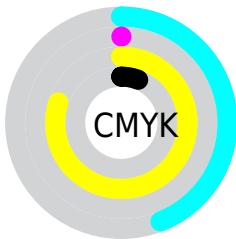
Blue (19%)



Red (19%)

Yellow (94%)

Blue (60%)

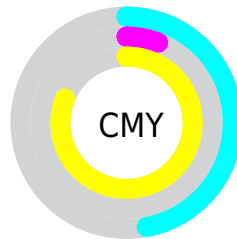


Cyan (44%)

Magenta (0%)

Yellow (80%)

Black (6%)



Cyan (47%)


Magenta (6%)


Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.6019, 0.3382, 0.5506 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 67.6019, 0.3382, 0.5506 by changing the saturation by 10% instead.


 67.6019, 0.3382,
0.5506

 67.6019, 0.3382,
0.5506

452.0842, 0.3361,
0.4423

 49.5739, 0.3353,
0.5749

 115.7824, 0.3400,
0.5130


 35.0750, 0.3299,
0.6039


 146.7038, 0.3400,
0.4983

 23.7206, 0.3201,
0.6384


 182.6918, 0.3396,
0.4856

 15.1265, 0.3048,
0.6839

 224.1307, 0.3390,
0.4746

 8.9082, 0.2731,
0.7269

 271.4050, 0.3383,
0.4650

 4.6814, 0.2225,
0.7775

324.8991, 0.3376,

 2.0616, 0.0934,

0.4565

0.9066

384.9974, 0.3369,
0.4490

0.6429, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

67.6019, 0.3382,
0.5506

67.6019, 0.3382,
0.5506

66.4361, 0.3342,
0.5667


69.0170, 0.3402,
0.5287

65.4810, 0.3287,
0.5772


70.6925, 0.3401,
0.5023

72.6487, 0.3381,
0.4728

74.9009, 0.3346,
0.4421

 77.4633, 0.3299,
0.4114

 80.3490, 0.3245,
0.3819

 83.5702, 0.3186,
0.3543

 87.1384, 0.3127,
0.3290

 90.4724, 0.3123,
0.3146

Harmonies

Analogous

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



67.6019, 0.4388, 0.5079



67.6019, 0.3382, 0.5506



67.6019, 0.2366, 0.4920

Triad

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



67.6019, 0.3382, 0.5506



67.6019, 0.1348, 0.1828



67.6019, 0.4802, 0.2806

Complementary

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



67.6019, 0.3382, 0.5506



15.2732, 0.2331, 0.1182

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.



67.6019, 0.3638, 0.2198



67.6019, 0.3382, 0.5506



67.6019, 0.1729, 0.1658

Square

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



67.6019, 0.3382, 0.5506



67.6019, 0.1300, 0.2409



67.6019, 0.2496, 0.1794



67.6019, 0.5377, 0.3515

Rectangle

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



67.6019, 0.3382, 0.5506



67.6019, 0.1822, 0.4019



67.6019, 0.2496, 0.1794



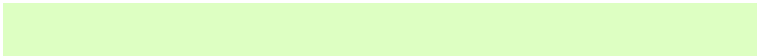
67.6019, 0.4451, 0.2587

Sweetspot

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



67.6048, 0.3382, 0.5506



90.8116, 0.3267, 0.3937



41.7170, 0.4894, 0.4257



19.1866, 0.3287, 0.4043



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.



67.6048, 0.3382, 0.5506



75.5248, 0.3308, 0.5737



63.2530, 0.2990, 0.5709



18.0029, 0.3183, 0.3529



35.9196, 0.3298, 0.5763



3.0464, 0.3400, 0.5682

Inverse Universe

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



15.2732, 0.2331, 0.1182



13.4929, 0.2151, 0.0971



26.3745, 0.3306, 0.1699



15.6589, 0.3066, 0.3052



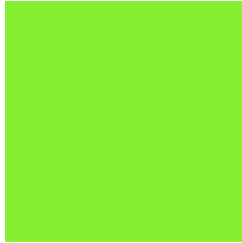
6.2316, 0.2129, 0.0946



0.5774, 0.2264, 0.1021

Previews

White Background



This preview shows how the Yxy color 67.6019, 0.3382, 0.5506 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 67.6019, 0.3382, 0.5506 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

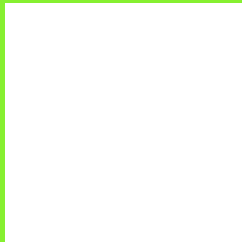
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.6019, 0.3382, 0.5506

Background



This preview shows how black text looks on a background with the Yxy color 67.6019, 0.3382, 0.5506.



This preview shows how white text looks on a background with the Yxy color 67.6019, 0.3382, 0.5506.

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

67.6019, 0.3382, 0.5506

Protanopia

66.7785, 0.4345, 0.4805

Deuteranopia

66.3779, 0.4132, 0.4111



Tritanopia

67.3436, 0.2635, 0.3090

Trichromacy



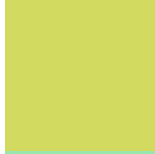
Original Color

67.6019, 0.3382, 0.5506



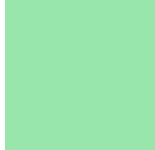
Protanomaly

65.3747, 0.3960, 0.5083



Deuteranomaly

64.8362, 0.3871, 0.4644



Tritanomaly

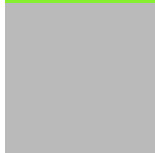
66.2093, 0.2971, 0.4048

Monochromacy



Original Color

67.6019, 0.3382, 0.5506



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

54.1357, 0.3314, 0.4226

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.6019, 0.3382, 0.5506 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(134, 240, 48)` looks like.

```
.text, #text, p{  
    color:rgb(134, 240, 48)  
}
```

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(134, 240, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 240, 48) }
```

Border

The CSS property to change the border of an element to Yxy 67.6019, 0.3382, 0.5506 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(134, 240, 48) }
```

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

```
.border{ border-color:rgb(134, 240, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 240, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 240, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 240, 48);  
box-shadow:4px 4px 4px 4px rgb(134, 240,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 67.6019, 0.3382, 0.5506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 240, 48) }
```

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

```
.background{ background-color: rgb(134,  
240, 48) }
```

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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