

Converting Colors

$Y_{xy}(64.3567, 0.3434, 0.5622)$

Have a look what the booklet for
Yxy(64.3567, 0.3434, 0.5622)
contains.

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Color

Yxy(64.3567, 0.3434, 0.5622)

Conversions

Conversions Part 1

Format	Color
Hex	84EB0F
RGB	132, 235, 15
RGB Percent	52%, 92%, 6%
CMY	0.4824, 0.0784, 0.9407
CMYK	0.44, 0.00, 0.94, 0.08
HSL	88°, 88%, 49%
HSV	88°, 94%, 92%
XYZ	39.3100, 64.3567, 10.8062
YIQ	179.1230, 9.2320, -90.2560

Conversions

Conversions Part 2

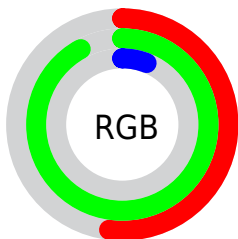
Format	Color
RYB	15, 235, 118
Decimal	8710927
CIELab	84.15, -59.16, 80.08
CIELCh	84, 99.559, 126.456
Yxy	64.3567, 0.3434, 0.5622
Android (android.graphics.Color)	4286901007 (0xFF84EB0F)
YUV	179.1230, -80.9126, -41.3269
Hunter-Lab	80.2226, -52.9225, 48.1693

Details

The Yxy color **64.3567, 0.3434, 0.5622** is a dark color, and the websafe version is hex **99FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **10.2058, 0.2019, 0.0909**, and the grayscale version is **45.5934, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6478, 0.3582, 0.5017**, and **33.0697, 0.3223, 0.5823** is the 20% darker color. If you saturate the color by 10%, you get **63.7723, 0.3400, 0.5683**, and if you desaturate by 10%, it is **65.4036, 0.3475, 0.5490**.

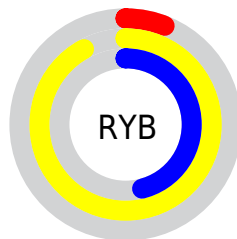
Distribution



Red (52%)

Green (92%)

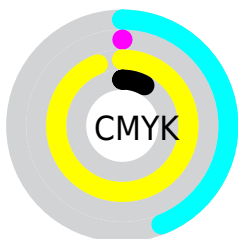
Blue (6%)



Red (6%)

Yellow (92%)

Blue (46%)

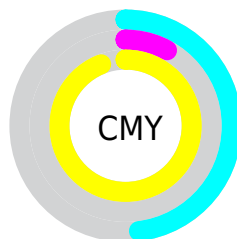


Cyan (44%)

Magenta (0%)

Yellow (94%)

Black (8%)



Cyan (48%)


Magenta (8%)

Yellow (94%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 64.3567, 0.3434, 0.5622 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 64.3567, 0.3434, 0.5622 by changing the saturation by 10% instead.


 64.3567, 0.3434,
0.5622


 64.3567, 0.3434,
0.5622


 440.4766, 0.3406,
0.4486

 46.9396, 0.3400,
0.5871


 111.1245, 0.3455,
0.5230


 32.9879, 0.3336,
0.6165


 141.2440, 0.3454,
0.5076

 22.1172, 0.3219,
0.6508

 176.3664, 0.3449,
0.4943

 13.9430, 0.3041,
0.6959

 216.8762, 0.3441,
0.4827

 8.0811, 0.2670,
0.7330

 263.1577, 0.3433,
0.4726

 4.1469, 0.2132,
0.7868

 315.5954, 0.3424,

 1.7561, 0.0249,

0.4636

0.9751

374.5735, 0.3415,
0.4557

■ 0.4596, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 64.3567, 0.3434,
0.5622

■ 64.3567, 0.3434,
0.5622


■ 63.7723, 0.3400,
0.5683

■ 65.4036, 0.3475,
0.5490


■ 66.6403, 0.3494,
0.5302


■ 68.0876, 0.3490,
0.5067


■ 69.7608, 0.3464,
0.4796

 71.6735, 0.3420,
0.4504

 73.8378, 0.3363,
0.4207

 76.2650, 0.3297,
0.3915

 78.9655, 0.3226,
0.3637

 81.9490, 0.3153,
0.3377

Harmonies

Analogous

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



64.3567, 0.4474, 0.5094



64.3567, 0.3434, 0.5622



64.3567, 0.2375, 0.5095

Triad

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



64.3567, 0.3434, 0.5622



64.3567, 0.1270, 0.1786



64.3567, 0.4828, 0.2736

Complementary

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



64.3567, 0.3434, 0.5622



10.2058, 0.2019, 0.0909

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.



64.3567, 0.3582, 0.2120



64.3567, 0.3434, 0.5622



64.3567, 0.1639, 0.1597

Square

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



64.3567, 0.3434, 0.5622



64.3567, 0.1238, 0.2410



64.3567, 0.2404, 0.1721



64.3567, 0.5474, 0.3457

Rectangle

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



64.3567, 0.3434, 0.5622



64.3567, 0.1799, 0.4149



64.3567, 0.2404, 0.1721



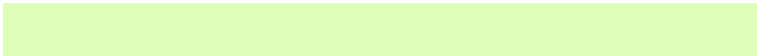
64.3567, 0.4447, 0.2513

Sweetspot

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



64.3595, 0.3434, 0.5622



90.4222, 0.3328, 0.4047



30.5938, 0.5396, 0.4047



19.0882, 0.3356, 0.4174



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.



64.3595, 0.3434, 0.5622



76.7148, 0.3397, 0.5685



59.6305, 0.3009, 0.5954



17.2562, 0.3196, 0.3528



35.5671, 0.3411, 0.5674



2.8501, 0.3513, 0.5593

Inverse Universe

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



10.2058, 0.2019, 0.0909



11.1754, 0.1944, 0.0845



22.7850, 0.3130, 0.1515



14.8949, 0.3053, 0.3052



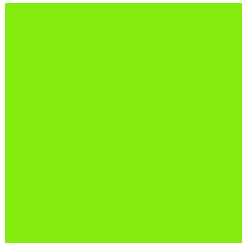
5.2614, 0.1965, 0.0856



0.4699, 0.2118, 0.0940

Previews

White Background



This preview shows how the Yxy color 64.3567, 0.3434, 0.5622 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 64.3567, 0.3434, 0.5622 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

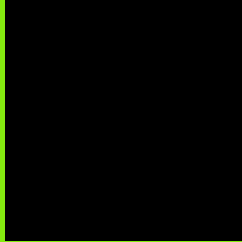
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

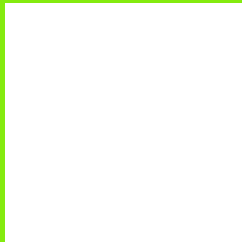
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.3567, 0.3434, 0.5622

Background



This preview shows how black text looks on a background with the Yxy color 64.3567, 0.3434, 0.5622.



This preview shows how white text looks on a background with the Yxy color 64.3567, 0.3434, 0.5622.

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

64.3567, 0.3434, 0.5622

Protanopia

63.2631, 0.4405, 0.4884

Deuteranopia

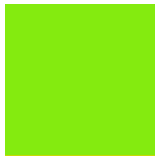
63.4504, 0.4332, 0.4288



Tritanopia

63.6725, 0.2641, 0.3074

Trichromacy



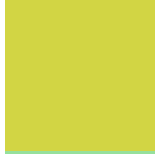
Original Color

64.3567, 0.3434, 0.5622



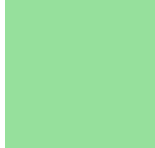
Protanomaly

62.1617, 0.4027, 0.5173



Deuteranomaly

61.7075, 0.4023, 0.4829



Tritanomaly

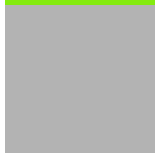
62.1956, 0.3046, 0.4188

Monochromacy



Original Color

64.3567, 0.3434, 0.5622



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

49.8601, 0.3404, 0.4391

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.3567, 0.3434, 0.5622 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(132, 235, 15)` looks like.

```
.text, #text, p{  
    color:rgb(132, 235, 15)  
}
```

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(132, 235, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 235, 15) }
```

Border

The CSS property to change the border of an element to Yxy 64.3567, 0.3434, 0.5622 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(132, 235, 15) }
```

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

```
.border{ border-color:rgb(132, 235, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 235, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 235, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 235, 15);  
box-shadow:4px 4px 4px 4px rgb(132, 235,  
15) }
```


Background

The CSS property to change the background color of an element to Yxy 64.3567, 0.3434, 0.5622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 235, 15) }
```

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

```
.background{ background-color: rgb(132,  
235, 15) }
```

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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