

Converting Colors

$Yxy(65.8393, 0.3442, 0.5632)$

Have a look what the booklet for
Yxy(65.8393, 0.3442, 0.5632)
contains.

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Color

Yxy(65.6542, 0.3444, 0.5631)

Conversions

Conversions Part 1

Format	Color
Hex	86ED08
RGB	134, 237, 8
RGB Percent	53%, 93%, 3%
CMY	0.4747, 0.0705, 0.9686
CMYK	0.43, 0.00, 0.97, 0.07
HSL	87°, 93%, 48%
HSV	87°, 97%, 93%
XYZ	40.1550, 65.6542, 10.7850
YIQ	180.0970, 12.1210, -93.0550

Conversions

Conversions Part 2

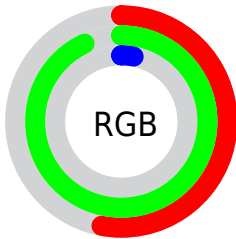
Format	Color
R_{YB}	8, 237, 111
Decimal	8842504
CIE _{Lab}	84.82, -59.39, 81.29
CIE _{LCh}	85, 100.674, 126.152
Yxy	65.6542, 0.3444, 0.5631
Android (android.graphics.Color)	4287032584 (0xFF86ED08)
YUV	180.0970, -84.8438, -40.4271
Hunter-Lab	81.0273, -53.3377, 48.8274

Details

The Yxy color **65.6542, 0.3444, 0.5631** 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 **9.6714, 0.1951, 0.0860**, and the grayscale version is **46.1537, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8948, 0.3600, 0.5016**, and **33.9446, 0.3230, 0.5817** is the 20% darker color. If you saturate the color by 10%, you get **65.3487, 0.3426, 0.5661**, and if you desaturate by 10%, it is **66.6629, 0.3489, 0.5518**.

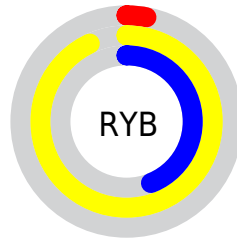
Distribution



Red (53%)

Green (93%)

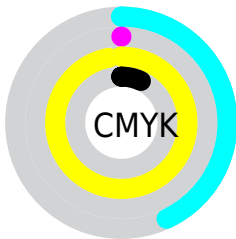
Blue (3%)



Red (3%)

Yellow (93%)

Blue (44%)

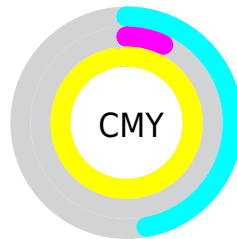


Cyan (43%)

Magenta (0%)

Yellow (97%)

Black (7%)



Cyan (47%)

Magenta (7%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.6542, 0.3444, 0.5631 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 65.6542, 0.3444, 0.5631 by changing the saturation by 10% instead.

 65.6542, 0.3444,
0.5631


 65.6542, 0.3444,
0.5631


 445.1392, 0.3413,
0.4497

 47.9917, 0.3410,
0.5878


 112.9899, 0.3465,
0.5242


 33.8203, 0.3346,
0.6168


 143.4319, 0.3463,
0.5088

 22.7556, 0.3231,
0.6505


 178.9025, 0.3458,
0.4955

 14.4132, 0.3055,
0.6945

 219.7862, 0.3450,
0.4839

 8.4086, 0.2690,
0.7310

 266.4673, 0.3442,
0.4737

 4.3575, 0.2165,
0.7835

 319.3303, 0.3432,

 1.8755, 0.0552,

0.4647

0.9448

378.7594, 0.3423,
0.4568

■ 0.5336, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 65.6542, 0.3444,
0.5631

■ 65.6542, 0.3444,
0.5631

■ 65.3487, 0.3426,
0.5661

■ 66.6629, 0.3489,
0.5518


■ 67.8515, 0.3514,
0.5350

■ 69.2426, 0.3514,
0.5131

■ 70.8524, 0.3492,
0.4873

 72.6947, 0.3450,
0.4589

 74.7821, 0.3393,
0.4295

 77.1261, 0.3326,
0.4002

 79.7372, 0.3253,
0.3719

 82.6254, 0.3177,
0.3454

Harmonies

Analogous

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



65.6542, 0.4487, 0.5090



65.6542, 0.3444, 0.5631



65.6542, 0.2381, 0.5117

Triad

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



65.6542, 0.3444, 0.5631



65.6542, 0.1262, 0.1784



65.6542, 0.4825, 0.2726

Complementary

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



65.6542, 0.3444, 0.5631



9.6714, 0.1951, 0.0860

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.



65.6542, 0.3570, 0.2110



65.6542, 0.3444, 0.5631



65.6542, 0.1628, 0.1591

Square

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



65.6542, 0.3444, 0.5631



65.6542, 0.1233, 0.2415



65.6542, 0.2391, 0.1713



65.6542, 0.5481, 0.3448

Rectangle

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



65.6542, 0.3444, 0.5631



65.6542, 0.1801, 0.4169



65.6542, 0.2391, 0.1713



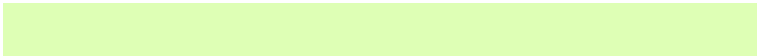
65.6542, 0.4440, 0.2503

Sweetspot

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



65.6570, 0.3444, 0.5631



90.3444, 0.3343, 0.4074



28.5891, 0.5555, 0.3945



19.0827, 0.3372, 0.4199



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.



65.6570, 0.3444, 0.5631



77.1178, 0.3424, 0.5664



60.7771, 0.3014, 0.5970



17.2705, 0.3199, 0.3528



35.7537, 0.3438, 0.5653



2.8645, 0.3537, 0.5573

Inverse Universe

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



9.6714, 0.1951, 0.0860



10.8474, 0.1910, 0.0826



21.7778, 0.3046, 0.1460



14.8807, 0.3050, 0.3051



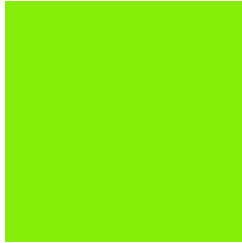
5.1083, 0.1931, 0.0837



0.4575, 0.2085, 0.0922

Previews

White Background



This preview shows how the Yxy color 65.6542, 0.3444, 0.5631 looks on a white background.

Color Contrast Check

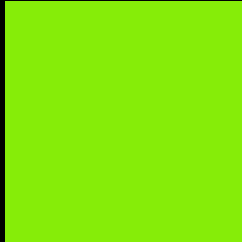
Large Text (above 18pt) WCAG AA × Fail

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 65.6542, 0.3444, 0.5631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

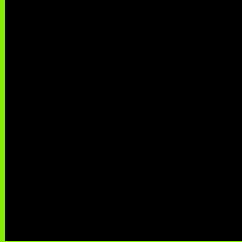
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

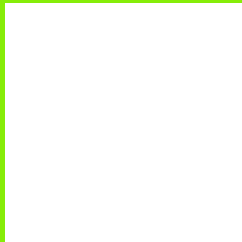
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.6542, 0.3444, 0.5631

Background



This preview shows how black text looks on a background with the Yxy color 65.6542, 0.3444, 0.5631.



This preview shows how white text looks on a background with the Yxy color 65.6542, 0.3444, 0.5631.

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

65.6542, 0.3444, 0.5631

Protanopia

64.5931, 0.4403, 0.4886

Deuteranopia

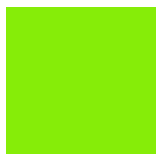
64.5838, 0.4256, 0.4225



Tritanopia

65.0408, 0.2645, 0.3076

Trichromacy



Original Color

65.6542, 0.3444, 0.5631



Protanomaly

63.4723, 0.4031, 0.5176



Deuteranomaly

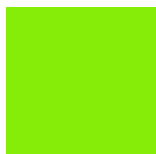
62.9176, 0.4002, 0.4811



Tritanomaly

63.4012, 0.3070, 0.4233

Monochromacy



Original Color

65.6542, 0.3444, 0.5631



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

50.8442, 0.3420, 0.4436

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.6542, 0.3444, 0.5631 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, 237, 8)` looks like.

```
.text, #text, p{  
    color:rgb(134, 237, 8)  
}
```

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, 237, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 237, 8) }
```

Border

The CSS property to change the border of an element to Yxy 65.6542, 0.3444, 0.5631 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, 237, 8) }
```

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

```
.border{ border-color:rgb(134, 237, 8) }
```

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

Here you see how a box with a 4 pixel rgb(134, 237, 8) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 237, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 237, 8);  
box-shadow:4px 4px 4px 4px rgb(134, 237,  
8) }
```


Background

The CSS property to change the background color of an element to Yxy 65.6542, 0.3444, 0.5631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 237, 8) }
```

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

```
.background{ background-color: rgb(134,  
237, 8) }
```

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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