

Converting Colors

Yxy(65.5361, 0.3533, 0.5520)

Have a look what the booklet for
Yxy(65.5361, 0.3533, 0.5520)
contains.

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Color

Yxy(65.7744, 0.3532, 0.5521)

Conversions

Conversions Part 1

Format	Color
Hex	94EB17
RGB	148, 235, 23
RGB Percent	58%, 92%, 9%
CMY	0.4195, 0.0784, 0.9102
CMYK	0.37, 0.00, 0.90, 0.08
HSL	85°, 84%, 51%
HSV	85°, 90%, 92%
XYZ	42.0785, 65.7744, 11.2821
YIQ	184.8190, 16.2000, -84.3760

Conversions

Conversions Part 2

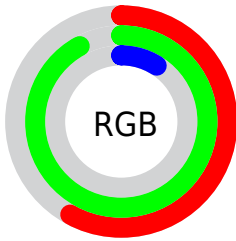
Format	Color
RYB	23, 235, 110
Decimal	9759511
CIELab	84.88, -53.76, 80.00
CIELCh	85, 96.380, 123.902
Yxy	65.7744, 0.3532, 0.5521
Android (android.graphics.Color)	4287949591 (0xFF94EB17)
YUV	184.8190, -79.7768, -32.2903
Hunter-Lab	81.1014, -49.3150, 48.5231

Details

The Yxy color **65.7744, 0.3532, 0.5521** 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 **9.9134, 0.1956, 0.0893**, and the grayscale version is **48.8534, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7744, 0.3673, 0.4932**, and **34.2664, 0.3349, 0.5723** is the 20% darker color. If you saturate the color by 10%, you get **64.8754, 0.3487, 0.5614**, and if you desaturate by 10%, it is **66.8528, 0.3560, 0.5379**.

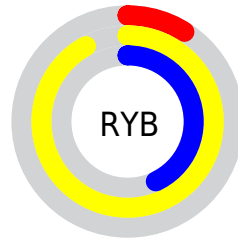
Distribution



Red (58%)

Green (92%)

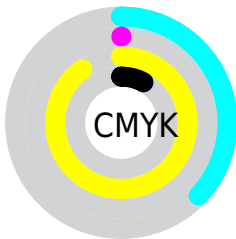
Blue (9%)



Red (9%)

Yellow (92%)

Blue (43%)

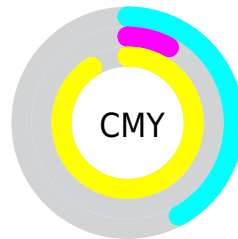


Cyan (37%)

Magenta (0%)

Yellow (90%)

Black (8%)



Cyan (42%)

Magenta (8%)

Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.7744, 0.3532, 0.5521 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 65.7744, 0.3532, 0.5521 by changing the saturation by 10% instead.

 65.7744, 0.3532,
0.5521

 65.7744, 0.3532,
0.5521


445.5696, 0.3452,
0.4448


 48.0893, 0.3512,
0.5753


 113.1625, 0.3533,
0.5154


 33.8976, 0.3466,
0.6026


 143.6342, 0.3525,
0.5008

 22.8149, 0.3373,
0.6342


 179.1370, 0.3514,
0.4882

 14.4569, 0.3233,
0.6767

 220.0551, 0.3502,
0.4773

 8.4391, 0.2902,
0.7098

 266.7731, 0.3489,
0.4676

 4.3772, 0.2418,
0.7582

 319.6752, 0.3476,

 1.8867, 0.1185,

0.4591

0.8815

379.1459, 0.3464,
0.4515

■ 0.5404, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 65.7744, 0.3532,
0.5521

■ 65.7744, 0.3532,
0.5521


■ 64.8754, 0.3487,
0.5614


■ 66.8528, 0.3560,
0.5379


■ 68.1064, 0.3563,
0.5184


■ 69.5543, 0.3543,
0.4946

■ 71.2102, 0.3501,
0.4677

 73.0862, 0.3442,
0.4391

 75.1935, 0.3371,
0.4101

 77.5421, 0.3293,
0.3818

 80.1416, 0.3211,
0.3548

 83.0008, 0.3129,
0.3296

Harmonies

Analogous

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



65.7744, 0.4528, 0.4986



65.7744, 0.3532, 0.5521



65.7744, 0.2493, 0.5104

Triad

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



65.7744, 0.3532, 0.5521



65.7744, 0.1304, 0.1867



65.7744, 0.4676, 0.2702

Complementary

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



65.7744, 0.3532, 0.5521



9.9134, 0.1956, 0.0893

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.



65.7744, 0.3462, 0.2113



65.7744, 0.3532, 0.5521



65.7744, 0.1637, 0.1647

Square

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



65.7744, 0.3532, 0.5521



65.7744, 0.1305, 0.2526



65.7744, 0.2351, 0.1743



65.7744, 0.5372, 0.3405

Rectangle

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



65.7744, 0.3532, 0.5521



65.7744, 0.1910, 0.4241



65.7744, 0.2351, 0.1743



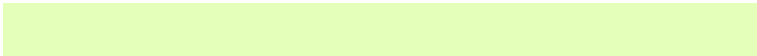
65.7744, 0.4297, 0.2487

Sweetspot

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



65.7773, 0.3532, 0.5521



91.3648, 0.3348, 0.4011



28.3936, 0.5495, 0.3925



19.3561, 0.3374, 0.4110



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.



65.7773, 0.3532, 0.5521



78.0457, 0.3484, 0.5616



60.0166, 0.3039, 0.5902



17.3013, 0.3205, 0.3527



36.1822, 0.3497, 0.5605



2.8972, 0.3591, 0.5530

Inverse Universe

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



9.9134, 0.1956, 0.0893



10.1968, 0.1842, 0.0788



20.8715, 0.2980, 0.1447



14.8505, 0.3044, 0.3051



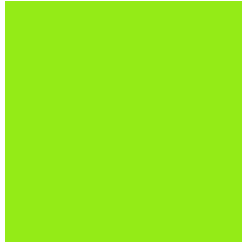
4.8036, 0.1862, 0.0800



0.4322, 0.2017, 0.0885

Previews

White Background



This preview shows how the Yxy color 65.7744, 0.3532, 0.5521 looks on a white background.

Color Contrast Check

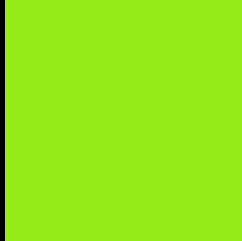
Large Text (above 18pt) WCAG AA × Fail

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 65.7744, 0.3532, 0.5521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

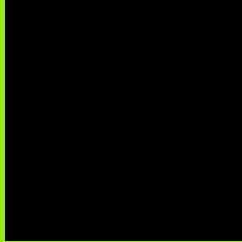
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.7744, 0.3532, 0.5521

Background



This preview shows how black text looks on a background with the Yxy color 65.7744, 0.3532, 0.5521.



This preview shows how white text looks on a background with the Yxy color 65.7744, 0.3532, 0.5521.

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

65.7744, 0.3532, 0.5521

Protanopia

64.7898, 0.4403, 0.4866

Deuteranopia

64.6488, 0.4237, 0.4199



Tritanopia

65.6034, 0.2718, 0.3090

Trichromacy



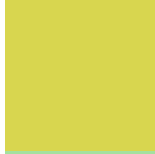
Original Color

65.7744, 0.3532, 0.5521



Protanomaly

64.2000, 0.4061, 0.5127



Deuteranomaly

63.2566, 0.4019, 0.4727



Tritanomaly

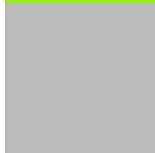
64.2461, 0.3121, 0.4135

Monochromacy



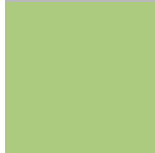
Original Color

65.7744, 0.3532, 0.5521



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

52.9889, 0.3429, 0.4313

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.7744, 0.3532, 0.5521 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(148, 235, 23)` looks like.

```
.text, #text, p{  
    color:rgb(148, 235, 23)  
}
```

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(148, 235, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 235, 23) }
```

Border

The CSS property to change the border of an element to Yxy 65.7744, 0.3532, 0.5521 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(148, 235, 23) }
```

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

```
.border{ border-color:rgb(148, 235, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 235, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 235, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 235, 23);  
box-shadow:4px 4px 4px 4px rgb(148, 235,  
23) }
```


Background

The CSS property to change the background color of an element to Yxy 65.7744, 0.3532, 0.5521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 235, 23) }
```

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

```
.background{ background-color: rgb(148,  
235, 23) }
```

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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