

Converting Colors

Yxy(66.9419, 0.3518, 0.5517)

Have a look what the booklet for
Yxy(66.9419, 0.3518, 0.5517)
contains.

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Color

Yxy(66.9434, 0.3518, 0.5517)

Conversions

Conversions Part 1

Format	Color
Hex	94ED1B
RGB	148, 237, 27
RGB Percent	58%, 93%, 11%
CMY	0.4198, 0.0705, 0.8940
CMYK	0.38, 0.00, 0.89, 0.07
HSL	85°, 85%, 52%
HSV	85°, 89%, 93%
XYZ	42.6875, 66.9434, 11.7093
YIQ	186.4490, 14.3660, -84.1780

Conversions

Conversions Part 2

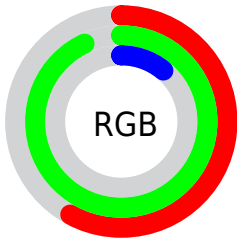
Format	Color
R _Y B	27, 237, 116
Decimal	9760027
CIE Lab	85.48, -54.49, 79.85
CIE LCh	85, 96.669, 124.310
Yxy	66.9434, 0.3518, 0.5517
Android (android.graphics.Color)	4287950107 (0xFF94ED1B)
YUV	186.4490, -78.6084, -33.7198
Hunter-Lab	81.8189, -50.0542, 48.7881

Details

The Yxy color **66.9434, 0.3518, 0.5517** 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 **10.6204, 0.2000, 0.0928**, and the grayscale version is **49.8090, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8117, 0.3666, 0.4917**, and **34.6688, 0.3345, 0.5726** is the 20% darker color. If you saturate the color by 10%, you get **65.9776, 0.3472, 0.5619**, and if you desaturate by 10%, it is **68.0819, 0.3544, 0.5364**.

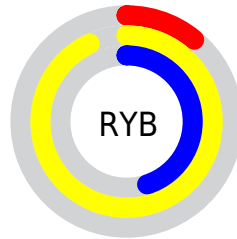
Distribution



Red (58%)

Green (93%)

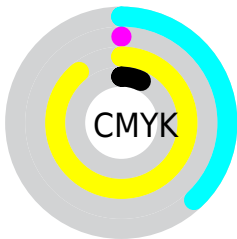
Blue (11%)



Red (11%)

Yellow (93%)

Blue (45%)

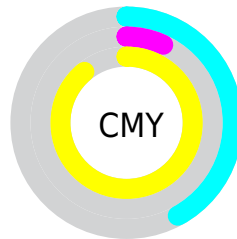


Cyan (38%)

Magenta (0%)

Yellow (89%)

Black (7%)



Cyan (42%)


Magenta (7%)


Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.9434, 0.3518, 0.5517 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 66.9434, 0.3518, 0.5517 by changing the saturation by 10% instead.


 66.9434, 0.3518,
0.5517

 66.9434, 0.3518,
0.5517


 449.7433, 0.3443,
0.4447


 49.0386, 0.3498,
0.5749


 114.8393, 0.3521,
0.5151

 34.6501, 0.3451,
0.6022


 145.5992, 0.3513,
0.5006


 23.3935, 0.3360,
0.6339


 181.4130, 0.3503,
0.4880

 14.8843, 0.3227,
0.6773

 222.6650, 0.3491,
0.4771

 8.7382, 0.2898,
0.7102

 269.7396, 0.3479,
0.4675

 4.5708, 0.2421,
0.7579

 323.0213, 0.3467,

 1.9977, 0.1299,

0.4590

0.8701

382.8944, 0.3455,
0.4514

0.6062, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

66.9434, 0.3518,
0.5517

66.9434, 0.3518,
0.5517

65.9776, 0.3472,
0.5619


68.0819, 0.3544,
0.5364


65.8507, 0.3465,
0.5631

69.4071, 0.3545,
0.5159


70.9381, 0.3523,
0.4912


72.6889, 0.3481,
0.4637

 74.6719, 0.3422,
0.4347

 76.8983, 0.3352,
0.4056

 79.3786, 0.3275,
0.3773

 82.1225, 0.3196,
0.3505

 85.1390, 0.3116,
0.3256

Harmonies

Analogous

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



66.9434, 0.4514, 0.4994



66.9434, 0.3518, 0.5517



66.9434, 0.2482, 0.5084

Triad

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



66.9434, 0.3518, 0.5517



66.9434, 0.1310, 0.1865



66.9434, 0.4686, 0.2713

Complementary

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



66.9434, 0.3518, 0.5517



10.6204, 0.2000, 0.0928

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.



66.9434, 0.3478, 0.2122



66.9434, 0.3518, 0.5517



66.9434, 0.1648, 0.1650

Square

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



66.9434, 0.3518, 0.5517



66.9434, 0.1306, 0.2516



66.9434, 0.2365, 0.1750



66.9434, 0.5370, 0.3416

Rectangle

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



66.9434, 0.3518, 0.5517



66.9434, 0.1903, 0.4218



66.9434, 0.2365, 0.1750



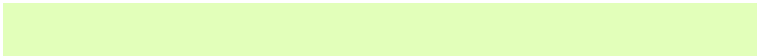
66.9434, 0.4310, 0.2498

Sweetspot

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



66.9463, 0.3518, 0.5517



91.2073, 0.3341, 0.4013



30.2393, 0.5411, 0.3971



19.3189, 0.3366, 0.4112



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.



66.9463, 0.3518, 0.5517



77.7078, 0.3462, 0.5633



61.2029, 0.3035, 0.5888



17.2904, 0.3203, 0.3527



36.0263, 0.3476, 0.5622



2.8854, 0.3572, 0.5546

Inverse Universe

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



10.6204, 0.2000, 0.0928



10.4185, 0.1866, 0.0801



22.0406, 0.3021, 0.1478



14.8612, 0.3046, 0.3051



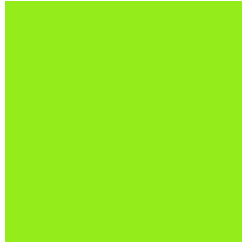
4.9076, 0.1886, 0.0813



0.4409, 0.2041, 0.0898

Previews

White Background



This preview shows how the Yxy color 66.9434, 0.3518, 0.5517 looks on a white background.

Color Contrast Check

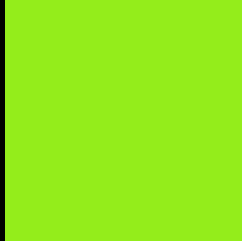
Large Text (above 18pt) WCAG AA × Fail

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 66.9434, 0.3518, 0.5517 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

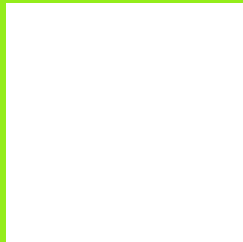
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.9434, 0.3518, 0.5517

Background



This preview shows how black text looks on a background with the Yxy color 66.9434, 0.3518, 0.5517.



This preview shows how white text looks on a background with the Yxy color 66.9434, 0.3518, 0.5517.

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

66.9434, 0.3518, 0.5517

Protanopia

66.1574, 0.4394, 0.4858

Deuteranopia

65.7776, 0.4172, 0.4147



Tritanopia

66.2437, 0.2708, 0.3080

Trichromacy



Original Color

66.9434, 0.3518, 0.5517



Protanomaly

65.5621, 0.4056, 0.5115



Deuteranomaly

64.3825, 0.3974, 0.4689



Tritanomaly

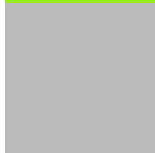
64.8584, 0.3108, 0.4119

Monochromacy



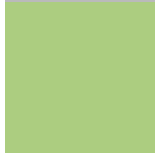
Original Color

66.9434, 0.3518, 0.5517



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

53.9918, 0.3410, 0.4308

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.9434, 0.3518, 0.5517 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, 237, 27)` looks like.

```
.text, #text, p{  
    color:rgb(148, 237, 27)  
}
```

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, 237, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 237, 27) }
```

Border

The CSS property to change the border of an element to Yxy 66.9434, 0.3518, 0.5517 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, 237, 27) }
```

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

```
.border{ border-color:rgb(148, 237, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 237, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 237, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 237, 27);  
box-shadow:4px 4px 4px 4px rgb(148, 237,  
27) }
```


Background

The CSS property to change the background color of an element to Yxy 66.9434, 0.3518, 0.5517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 237, 27) }
```

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

```
.background{ background-color: rgb(148,  
237, 27) }
```

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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