

Converting Colors

Yxy(67.9518, 0.3522, 0.5140)

Have a look what the booklet for
Yxy(67.9518, 0.3522, 0.5140)
contains.

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Color

Yxy(67.9518, 0.3522, 0.5140)

Conversions

Conversions Part 1

Format	Color
Hex	A5EB4D
RGB	165, 235, 77
RGB Percent	65%, 92%, 30%
CMY	0.3530, 0.0784, 0.6979
CMYK	0.30, 0.00, 0.67, 0.08
HSL	87°, 80%, 61%
HSV	87°, 67%, 92%
XYZ	46.5615, 67.9518, 17.6886
YIQ	196.0580, 8.9980, -63.9780

Conversions

Conversions Part 2

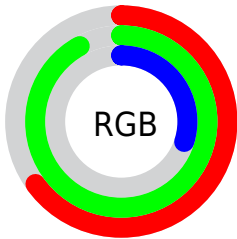
Format	Color
RYB	77, 235, 147
Decimal	10873677
CIELab	85.98, -45.42, 66.70
CIELCh	86, 80.701, 124.255
Yxy	67.9518, 0.3522, 0.5140
Android (android.graphics.Color)	4289063757 (0xFFA5EB4D)
YUV	196.0580, -58.6956, -27.2379
Hunter-Lab	82.4329, -43.4333, 44.9804

Details

The Yxy color **67.9518, 0.3522, 0.5140** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted chartreuse. A complement of this color would be **17.5211, 0.2327, 0.1373**, and the grayscale version is **55.5938, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0607, 0.3619, 0.4557**, and **35.4305, 0.3517, 0.5586** is the 20% darker color. If you saturate the color by 10%, you get **66.6085, 0.3521, 0.5355**, and if you desaturate by 10%, it is **69.5119, 0.3500, 0.4885**.

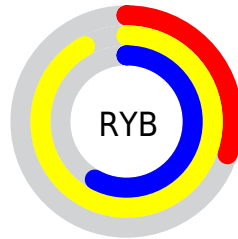
Distribution



Red (65%)

Green (92%)

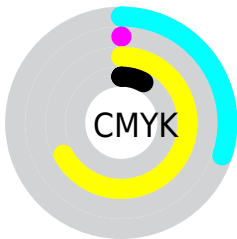
Blue (30%)



Red (30%)

Yellow (92%)

Blue (58%)

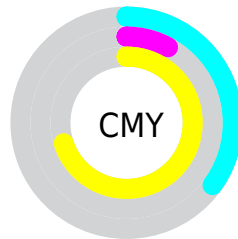


Cyan (30%)

Magenta (0%)

Yellow (67%)

Black (8%)



Cyan (35%)


Magenta (8%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.9518, 0.3522, 0.5140 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 67.9518, 0.3522, 0.5140 by changing the saturation by 10% instead.


 67.9518, 0.3522,
0.5140

 67.9518, 0.3522,
0.5140


453.3252, 0.3405,
0.4243

 49.8585, 0.3525,
0.5343


 116.2832, 0.3499,
0.4827


 35.3010, 0.3515,
0.5588


 147.2901, 0.3485,
0.4706

 23.8948, 0.3480,
0.5886


 183.3703, 0.3470,
0.4601

 15.2556, 0.3394,
0.6246

 224.9083, 0.3455,
0.4510

 8.9990, 0.3251,
0.6749

 272.2883, 0.3442,
0.4431

 4.7405, 0.2854,
0.7146

325.8949, 0.3429,

 2.0958, 0.2146,

0.4361

0.7854

386.1124, 0.3416,
0.4299

0.6623, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

67.9518, 0.3522,
0.5140

67.9518, 0.3522,
0.5140

66.6085, 0.3521,
0.5355

69.5119, 0.3500,
0.4885

65.4574, 0.3496,
0.5519


71.2936, 0.3458,
0.4604


64.4814, 0.3451,
0.5628


73.3122, 0.3401,
0.4310

64.2330, 0.3436,
0.5653


75.5787, 0.3333,
0.4018

 78.1035, 0.3259,
0.3735

 80.8963, 0.3183,
0.3470

 83.9662, 0.3106,
0.3224

 86.6579, 0.3092,
0.3095

 87.9021, 0.3136,
0.3097

Harmonies

Analogous

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



67.9518, 0.4373, 0.4794



67.9518, 0.3522, 0.5140



67.9518, 0.2617, 0.4736

Triad

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



67.9518, 0.3522, 0.5140



67.9518, 0.1538, 0.2077



67.9518, 0.4427, 0.2813

Complementary

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



67.9518, 0.3522, 0.5140



17.5211, 0.2327, 0.1373

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.



67.9518, 0.3432, 0.2282



67.9518, 0.3522, 0.5140



67.9518, 0.1846, 0.1865

Square

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



67.9518, 0.3522, 0.5140



67.9518, 0.1547, 0.2667



67.9518, 0.2487, 0.1948



67.9518, 0.5014, 0.3453

Rectangle

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



67.9518, 0.3522, 0.5140



67.9518, 0.2106, 0.4058



67.9518, 0.2487, 0.1948



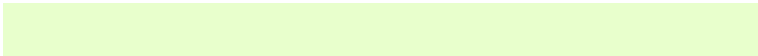
67.9518, 0.4118, 0.2619

Sweetspot

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



67.9548, 0.3522, 0.5140



93.1007, 0.3281, 0.3815



38.6011, 0.4748, 0.4001



19.7424, 0.3302, 0.3894



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.



67.9548, 0.3522, 0.5140



79.5688, 0.3514, 0.5429



62.0120, 0.3068, 0.5430



17.2756, 0.3200, 0.3528



35.8222, 0.3447, 0.5645



2.8698, 0.3546, 0.5566

Inverse Universe

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



17.5211, 0.2327, 0.1373



14.9483, 0.2127, 0.1062



27.2351, 0.3090, 0.1734



14.8757, 0.3049, 0.3051



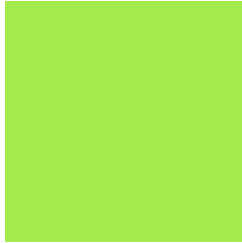
5.0554, 0.1919, 0.0831



0.4532, 0.2074, 0.0916

Previews

White Background



This preview shows how the Yxy color 67.9518, 0.3522, 0.5140 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 67.9518, 0.3522, 0.5140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

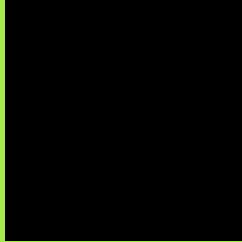
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.9518, 0.3522, 0.5140

Background



This preview shows how black text looks on a background with the Yxy color 67.9518, 0.3522, 0.5140.



This preview shows how white text looks on a background with the Yxy color 67.9518, 0.3522, 0.5140.

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

67.9518, 0.3522, 0.5140

Protanopia

67.0733, 0.4248, 0.4662

Deuteranopia

67.0413, 0.4078, 0.4056



Tritanopia

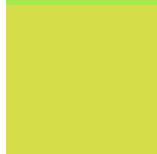
67.7399, 0.2793, 0.3095

Trichromacy



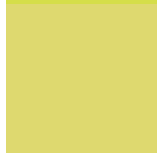
Original Color

67.9518, 0.3522, 0.5140



Protanomaly

66.8697, 0.3970, 0.4847



Deuteranomaly

66.3030, 0.3882, 0.4453



Tritanomaly

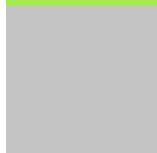
66.5701, 0.3094, 0.3855

Monochromacy



Original Color

67.9518, 0.3522, 0.5140



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

58.7074, 0.3333, 0.4010

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.9518, 0.3522, 0.5140 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(165, 235, 77)` looks like.

```
.text, #text, p{  
    color:rgb(165, 235, 77)  
}
```

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(165, 235, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 235, 77) }
```

Border

The CSS property to change the border of an element to Yxy 67.9518, 0.3522, 0.5140 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(165, 235, 77) }
```

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

```
.border{ border-color:rgb(165, 235, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 235, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 235, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 235, 77);  
box-shadow:4px 4px 4px 4px rgb(165, 235,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 67.9518, 0.3522, 0.5140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 235, 77) }
```

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

```
.background{ background-color: rgb(165,  
235, 77) }
```

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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