

Converting Colors

$Yxy(65.6235, 0.3519, 0.5094)$

Have a look what the booklet for
Yxy(65.6235, 0.3519, 0.5094)
contains.

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Color

Yxy(65.6235, 0.3519, 0.5094)

Conversions

Conversions Part 1

Format	Color
Hex	A4E750
RGB	164, 231, 80
RGB Percent	64%, 91%, 31%
CMY	0.3569, 0.0941, 0.6862
CMYK	0.29, 0.00, 0.65, 0.09
HSL	87°, 76%, 61%
HSV	87°, 65%, 91%
XYZ	45.3335, 65.6235, 17.8680
YIQ	193.7530, 8.5390, -61.1650

Conversions

Conversions Part 2

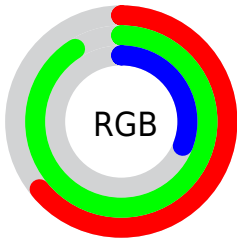
Format	Color
RYB	80, 231, 147
Decimal	10807120
CIELab	84.80, -43.84, 64.30
CIElCh	85, 77.827, 124.286
Yxy	65.6235, 0.3519, 0.5094
Android (android.graphics.Color)	4288997200 (0xFFA4E750)
YUV	193.7530, -56.0802, -26.0934
Hunter-Lab	81.0083, -41.8732, 43.6282

Details

The Yxy color **65.6235, 0.3519, 0.5094** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **17.7137, 0.2355, 0.1423**, and the grayscale version is **54.1309, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8272, 0.3590, 0.4535**, and **33.8123, 0.3517, 0.5542** is the 20% darker color. If you saturate the color by 10%, you get **64.2944, 0.3523, 0.5318**, and if you desaturate by 10%, it is **67.1636, 0.3493, 0.4833**.

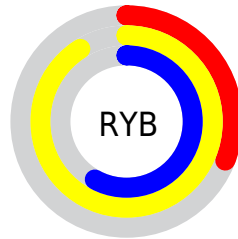
Distribution



Red (64%)

Green (91%)

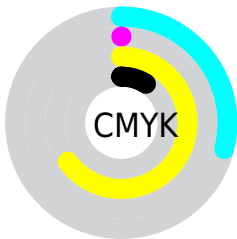
Blue (31%)



Red (31%)

Yellow (91%)

Blue (58%)

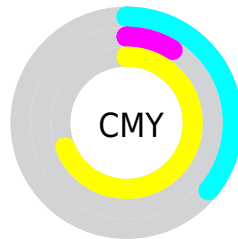


Cyan (29%)

Magenta (0%)

Yellow (65%)

Black (9%)



Cyan (36%)


Magenta (9%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.6235, 0.3519, 0.5094 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 65.6235, 0.3519, 0.5094 by changing the saturation by 10% instead.

 65.6235, 0.3519,
0.5094


 65.6235, 0.3519,
0.5094

445.0292, 0.3398,
0.4213


 47.9668, 0.3524,
0.5296


 112.9458, 0.3493,
0.4785


 33.8006, 0.3517,
0.5541


 143.3802, 0.3478,
0.4666

 22.7405, 0.3486,
0.5840


 178.8426, 0.3463,
0.4563

 14.4020, 0.3405,
0.6205

 219.7175, 0.3449,
0.4474

 8.4008, 0.3272,
0.6728

 266.3892, 0.3435,
0.4396

 4.3525, 0.2868,
0.7132

319.2421, 0.3422,

 1.8726, 0.2065,

0.4328

0.7935

378.6606, 0.3409,
0.4267

■ 0.5318, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 65.6235, 0.3519,
0.5094

■ 65.6235, 0.3519,
0.5094

■ 64.2944, 0.3523,
0.5318

■ 67.1636, 0.3493,
0.4833

■ 63.1530, 0.3502,
0.5492


■ 68.9189, 0.3448,
0.4548


■ 62.1846, 0.3460,
0.5611


■ 70.9038, 0.3389,
0.4255

■ 61.7820, 0.3436,
0.5653


■ 73.1289, 0.3319,
0.3964

 75.6040, 0.3245,
0.3684

 78.3381, 0.3168,
0.3422

 81.3400, 0.3092,
0.3181

 83.9694, 0.3078,
0.3054

 85.6348, 0.3138,
0.3058

Harmonies

Analogous

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



65.6235, 0.4352, 0.4768



65.6235, 0.3519, 0.5094



65.6235, 0.2632, 0.4695

Triad

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



65.6235, 0.3519, 0.5094



65.6235, 0.1568, 0.2103



65.6235, 0.4397, 0.2825

Complementary

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



65.6235, 0.3519, 0.5094



17.7137, 0.2355, 0.1423

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.



65.6235, 0.3428, 0.2302



65.6235, 0.3519, 0.5094



65.6235, 0.1872, 0.1892

Square

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



65.6235, 0.3519, 0.5094



65.6235, 0.1578, 0.2684



65.6235, 0.2502, 0.1973



65.6235, 0.4970, 0.3456

Rectangle

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



65.6235, 0.3519, 0.5094



65.6235, 0.2129, 0.4037



65.6235, 0.2502, 0.1973



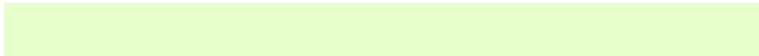
65.6235, 0.4096, 0.2635

Sweetspot

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



65.6264, 0.3519, 0.5094



93.0970, 0.3281, 0.3815



37.9554, 0.4689, 0.3990



19.7415, 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.



65.6264, 0.3519, 0.5094



79.9928, 0.3519, 0.5376



59.9117, 0.3071, 0.5373



16.4824, 0.3200, 0.3527



34.7089, 0.3447, 0.5645



2.6197, 0.3552, 0.5562

Inverse Universe

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



17.7137, 0.2355, 0.1423



16.0205, 0.2168, 0.1119



26.8715, 0.3093, 0.1765



14.1986, 0.3049, 0.3052



4.9060, 0.1921, 0.0832



0.4169, 0.2084, 0.0922

Previews

White Background



This preview shows how the Yxy color 65.6235, 0.3519, 0.5094 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 65.6235, 0.3519, 0.5094 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 65.6235, 0.3519, 0.5094

Background



This preview shows how black text looks on a background with the Yxy color 65.6235, 0.3519, 0.5094.



This preview shows how white text looks on a background with the Yxy color 65.6235, 0.3519, 0.5094.

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

65.6235, 0.3519, 0.5094

Protanopia

64.9294, 0.4221, 0.4633

Deuteranopia

64.7854, 0.4197, 0.4147



Tritanopia

65.1853, 0.2801, 0.3093

Trichromacy



Original Color

65.6235, 0.3519, 0.5094



Protanomaly

64.3803, 0.3954, 0.4804



Deuteranomaly

64.1176, 0.3944, 0.4483



Tritanomaly

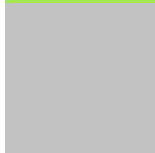
64.2343, 0.3102, 0.3837

Monochromacy



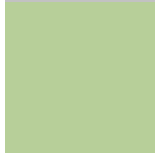
Original Color

65.6235, 0.3519, 0.5094



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

56.9928, 0.3323, 0.3980

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.6235, 0.3519, 0.5094 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(164, 231, 80)` looks like.

```
.text, #text, p{  
    color:rgb(164, 231, 80)  
}
```

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(164, 231, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 231, 80) }
```

Border

The CSS property to change the border of an element to Yxy 65.6235, 0.3519, 0.5094 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(164, 231, 80) }
```

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

```
.border{ border-color:rgb(164, 231, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 231, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 231, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 231, 80);  
box-shadow:4px 4px 4px 4px rgb(164, 231,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 65.6235, 0.3519, 0.5094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 231, 80) }
```

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

```
.background{ background-color: rgb(164,  
231, 80) }
```

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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