

Converting Colors

$Yxy(63.5020, 0.3546, 0.5071)$

Have a look what the booklet for
Yxy(63.5020, 0.3546, 0.5071)
contains.

Yxy(63.5020, 0.3546, 0.5071)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(63.5020, 0.3546, 0.5071)

Conversions

Conversions Part 1

Format	Color
Hex	A5E34F
RGB	165, 227, 79
RGB Percent	65%, 89%, 31%
CMY	0.3528, 0.1098, 0.6901
CMYK	0.27, 0.00, 0.65, 0.11
HSL	85°, 73%, 60%
HSV	85°, 65%, 89%
XYZ	44.4051, 63.5020, 17.3187
YIQ	191.5900, 10.5560, -59.1720

Conversions

Conversions Part 2

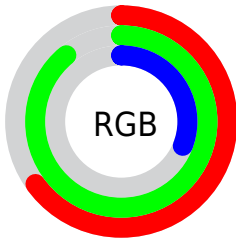
Format	Color
R_{YB}	79, 227, 141
Decimal	10871631
CIE _{Lab}	83.71, -41.79, 63.54
CIE _{LCh}	84, 76.056, 123.334
Yxy	63.5020, 0.3546, 0.5071
Android (android.graphics.Color)	4289061711 (0xFFA5E34F)
YUV	191.5900, -55.5069, -23.3194
Hunter-Lab	79.6881, -39.9877, 42.8961

Details

The Yxy color **63.5020, 0.3546, 0.5071** 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 **16.8032, 0.2325, 0.1413**, and the grayscale version is **52.7939, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9292, 0.3607, 0.4550**, and **32.3381, 0.3550, 0.5518** is the 20% darker color. If you saturate the color by 10%, you get **62.2467, 0.3554, 0.5291**, and if you desaturate by 10%, it is **64.9515, 0.3515, 0.4814**.

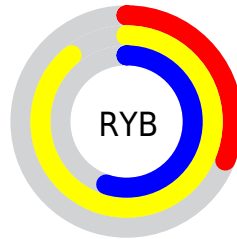
Distribution



Red (65%)

Green (89%)

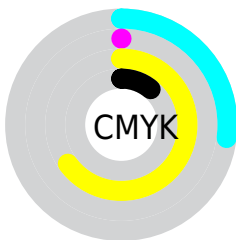
Blue (31%)



Red (31%)

Yellow (89%)

Blue (55%)

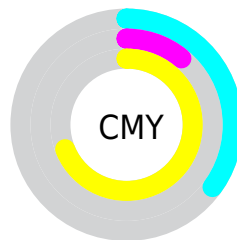


Cyan (27%)

Magenta (0%)

Yellow (65%)

Black (11%)



Cyan (35%)


Magenta (11%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.5020, 0.3546, 0.5071 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 63.5020, 0.3546, 0.5071 by changing the saturation by 10% instead.


 63.5020, 0.3546,
0.5071


 63.5020, 0.3546,
0.5071

437.3891, 0.3410,
0.4199


 46.2474, 0.3555,
0.5271


 109.8934, 0.3515,
0.4765


 32.4411, 0.3552,
0.5515


 139.7991, 0.3498,
0.4646


 21.6987, 0.3525,
0.5813


 174.6906, 0.3481,
0.4545

 13.6356, 0.3450,
0.6176

 214.9522, 0.3465,
0.4457

 7.8677, 0.3314,
0.6686

 260.9685, 0.3450,
0.4380

 4.0104, 0.2910,
0.7090

313.1239, 0.3435,

 1.6794, 0.2008,

0.4312

0.7992

371.8026, 0.3422,
0.4252

■ 0.4103, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 63.5020, 0.3546,
0.5071

■ 63.5020, 0.3546,
0.5071

■ 62.2467, 0.3554,
0.5291

■ 64.9515, 0.3515,
0.4814

■ 61.1635, 0.3537,
0.5462

■ 66.5987, 0.3466,
0.4534

■ 60.2387, 0.3498,
0.5580


■ 68.4571, 0.3402,
0.4244

■ 59.8377, 0.3475,
0.5623

■ 70.5365, 0.3328,
0.3956

 72.8460, 0.3250,
0.3678

 75.3942, 0.3169,
0.3417

 78.1888, 0.3089,
0.3177

 80.8700, 0.3046,
0.3011

 82.5871, 0.3110,
0.3016

Harmonies

Analogous

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



63.5020, 0.4365, 0.4737



63.5020, 0.3546, 0.5071



63.5020, 0.2665, 0.4700

Triad

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



63.5020, 0.3546, 0.5071



63.5020, 0.1578, 0.2128



63.5020, 0.4355, 0.2813

Complementary

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



63.5020, 0.3546, 0.5071



16.8032, 0.2325, 0.1413

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.



63.5020, 0.3393, 0.2298



63.5020, 0.3546, 0.5071



63.5020, 0.1869, 0.1907

Square

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



63.5020, 0.3546, 0.5071



63.5020, 0.1598, 0.2718



63.5020, 0.2485, 0.1979



63.5020, 0.4940, 0.3437

Rectangle

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



63.5020, 0.3546, 0.5071



63.5020, 0.2162, 0.4062



63.5020, 0.2485, 0.1979



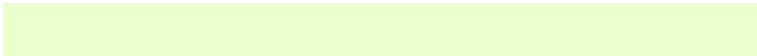
63.5020, 0.4055, 0.2624

Sweetspot

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



63.5048, 0.3546, 0.5071



93.3124, 0.3289, 0.3814



35.8514, 0.4704, 0.3962



19.7932, 0.3311, 0.3893



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.



63.5048, 0.3546, 0.5071



80.5459, 0.3551, 0.5353



57.7432, 0.3083, 0.5358



16.5008, 0.3203, 0.3527



34.9691, 0.3485, 0.5615



2.6384, 0.3585, 0.5535

Inverse Universe

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



16.8032, 0.2325, 0.1413



15.5795, 0.2129, 0.1099



25.5386, 0.3067, 0.1757



14.1805, 0.3046, 0.3052



4.7197, 0.1878, 0.0808



0.4023, 0.2042, 0.0898

Previews

White Background



This preview shows how the Yxy color 63.5020, 0.3546, 0.5071 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 63.5020, 0.3546, 0.5071 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 63.5020, 0.3546, 0.5071

Background



This preview shows how black text looks on a background with the Yxy color 63.5020, 0.3546, 0.5071.



This preview shows how white text looks on a background with the Yxy color 63.5020, 0.3546, 0.5071.

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

63.5020, 0.3546, 0.5071

Protanopia

62.7620, 0.4214, 0.4635

Deuteranopia

62.5878, 0.4327, 0.4246



Tritanopia

62.9345, 0.2821, 0.3091

Trichromacy



Original Color

63.5020, 0.3546, 0.5071



Protanomaly

62.5326, 0.3960, 0.4798



Deuteranomaly

61.9208, 0.4030, 0.4545



Tritanomaly

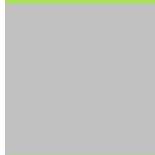
62.0288, 0.3123, 0.3830

Monochromacy



Original Color

63.5020, 0.3546, 0.5071



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

55.8421, 0.3333, 0.3985

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.5020, 0.3546, 0.5071 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, 227, 79)` looks like.

```
.text, #text, p{  
    color:rgb(165, 227, 79)  
}
```

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, 227, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 227, 79) }
```

Border

The CSS property to change the border of an element to Yxy 63.5020, 0.3546, 0.5071 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, 227, 79) }
```

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

```
.border{ border-color:rgb(165, 227, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 227, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 227, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 227, 79);  
box-shadow:4px 4px 4px 4px rgb(165, 227,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 63.5020, 0.3546, 0.5071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 227, 79) }
```

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

```
.background{ background-color: rgb(165,  
227, 79) }
```

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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