

Converting Colors

Yxy(64.8289, 0.3549, 0.4849)

Have a look what the booklet for
Yxy(64.8289, 0.3549, 0.4849)
contains.

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Color

Yxy(65.0313, 0.3549, 0.4856)

Conversions

Conversions Part 1

Format	Color
Hex	B0E361
RGB	176, 227, 97
RGB Percent	69%, 89%, 38%
CMY	0.3099, 0.1098, 0.6195
CMYK	0.22, 0.00, 0.57, 0.11
HSL	84°, 70%, 64%
HSV	84°, 57%, 89%
XYZ	47.5280, 65.0313, 21.3602
YIQ	196.9310, 11.3340, -51.2420

Conversions

Conversions Part 2

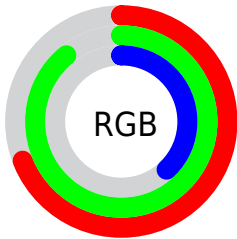
Format	Color
RYB	97, 227, 148
Decimal	11592545
CIELab	84.50, -36.33, 57.07
CIELCh	84, 67.646, 122.480
Yxy	65.0313, 0.3549, 0.4856
Android (android.graphics.Color)	4289782625 (0xFFB0E361)
YUV	196.9310, -49.2660, -18.3565
Hunter-Lab	80.6420, -35.9208, 40.7449

Details

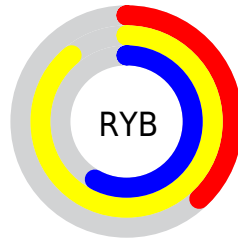
The Yxy color **65.0313, 0.3549, 0.4856** is a light color, and the websafe version is hex **99CC33**. A complement of this color would be **20.4000, 0.2414, 0.1622**, and the grayscale version is **56.0889, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2468, 0.3594, 0.4357**, and **33.2861, 0.3583, 0.5248** is the 20% darker color. If you saturate the color by 10%, you get **63.6646, 0.3579, 0.5101**, and if you desaturate by 10%, it is **66.5931, 0.3499, 0.4584**.

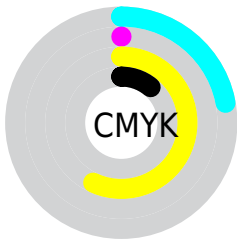
Distribution



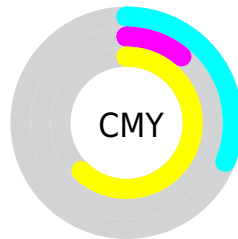
- Red (69%)
- Green (89%)
- Blue (38%)



- Red (38%)
- Yellow (89%)
- Blue (58%)



- Cyan (22%)
- Magenta (0%)
- Yellow (57%)
- Black (11%)





- Cyan (31%)
- Magenta (11%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.0313, 0.3549, 0.4856 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 65.0313, 0.3549, 0.4856 by changing the saturation by 10% instead.


 65.0313, 0.3549,
0.4856

 65.0313, 0.3549,
0.4856


442.9044, 0.3395,
0.4092


 47.4865, 0.3568,
0.5033


 112.0949, 0.3507,
0.4587


 33.4204, 0.3582,
0.5251


 142.3824, 0.3488,
0.4483

 22.4487, 0.3582,
0.5521


 177.6862, 0.3469,
0.4394

 14.1870, 0.3550,
0.5858

 218.3908, 0.3452,
0.4317

 8.2508, 0.3500,
0.6369

264.8805, 0.3436,
0.4250

 4.2559, 0.3207,
0.6793

317.5398, 0.3421,

 1.8177, 0.2601,

0.4191

0.7399

376.7529, 0.3408,
0.4138

0.4982, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

65.0313, 0.3549,
0.4856

65.0313, 0.3549,
0.4856

63.6646, 0.3579,
0.5101

66.5931, 0.3499,
0.4584

62.4725, 0.3586,
0.5307


68.3520, 0.3433,
0.4299


61.4439, 0.3568,
0.5463

70.3206, 0.3356,
0.4012


60.5610, 0.3528,
0.5567

72.5079, 0.3274,
0.3734

 60.3372, 0.3515,
0.5591

 74.9221, 0.3189,
0.3470

 77.5713, 0.3104,
0.3225

 80.4030, 0.3028,
0.3009

 81.9871, 0.3088,
0.3015

 83.4233, 0.3140,
0.3019

Harmonies

Analogous

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



65.0313, 0.4275, 0.4590



65.0313, 0.3549, 0.4856



65.0313, 0.2753, 0.4531

Triad

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



65.0313, 0.3549, 0.4856



65.0313, 0.1719, 0.2265



65.0313, 0.4192, 0.2855

Complementary

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



65.0313, 0.3549, 0.4856



20.4000, 0.2414, 0.1622

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.



65.0313, 0.3345, 0.2385



65.0313, 0.3549, 0.4856



65.0313, 0.1982, 0.2043

Square

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



65.0313, 0.3549, 0.4856



65.0313, 0.1753, 0.2817



65.0313, 0.2538, 0.2097



65.0313, 0.4726, 0.3430

Rectangle

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



65.0313, 0.3549, 0.4856



65.0313, 0.2292, 0.3993



65.0313, 0.2538, 0.2097



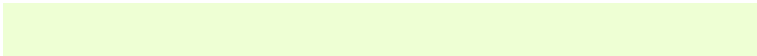
65.0313, 0.3926, 0.2682

Sweetspot

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



65.0342, 0.3549, 0.4856



94.4298, 0.3272, 0.3729



38.0161, 0.4488, 0.3856



20.0834, 0.3289, 0.3785



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.



65.0342, 0.3549, 0.4856



82.5150, 0.3583, 0.5150



59.2635, 0.3121, 0.5090



16.5201, 0.3207, 0.3526



35.2550, 0.3525, 0.5583



2.6586, 0.3621, 0.5507

Inverse Universe

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



20.4000, 0.2414, 0.1622



19.1267, 0.2224, 0.1286



28.0732, 0.3036, 0.1884



14.1617, 0.3041, 0.3051



4.5394, 0.1835, 0.0785



0.3880, 0.1999, 0.0875

Previews

White Background



This preview shows how the Yxy color 65.0313, 0.3549, 0.4856 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 65.0313, 0.3549, 0.4856 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 65.0313, 0.3549, 0.4856

Background



This preview shows how black text looks on a background with the Yxy color 65.0313, 0.3549, 0.4856.



This preview shows how white text looks on a background with the Yxy color 65.0313, 0.3549, 0.4856.

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

65.0313, 0.3549, 0.4856

Protanopia

64.3583, 0.4128, 0.4510

Deuteranopia

64.3413, 0.4196, 0.4128



Tritanopia

64.6391, 0.2876, 0.3095

Trichromacy



Original Color

65.0313, 0.3549, 0.4856



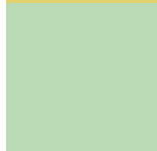
Protanomaly

64.0660, 0.3909, 0.4636



Deuteranomaly

63.3877, 0.3958, 0.4384



Tritanomaly

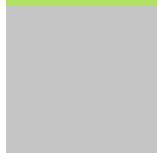
64.0850, 0.3142, 0.3729

Monochromacy



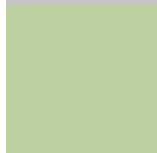
Original Color

65.0313, 0.3549, 0.4856



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

58.5038, 0.3313, 0.3878

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.0313, 0.3549, 0.4856 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(176, 227, 97)` looks like.

```
.text, #text, p{  
    color:rgb(176, 227, 97)  
}
```

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(176, 227, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 227, 97) }
```

Border

The CSS property to change the border of an element to Yxy 65.0313, 0.3549, 0.4856 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(176, 227, 97) }
```

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

```
.border{ border-color:rgb(176, 227, 97) }
```

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

Here you see how a box with a 4 pixel rgb(176, 227, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 227, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 227, 97);  
box-shadow:4px 4px 4px 4px rgb(176, 227,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 65.0313, 0.3549, 0.4856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 227, 97) }
```

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

```
.background{ background-color: rgb(176,  
227, 97) }
```

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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