

Converting Colors

Yxy(64.4556, 0.3431, 0.4650)

Have a look what the booklet for
Yxy(64.4556, 0.3431, 0.4650)
contains.

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Color

Yxy(64.5379, 0.3433, 0.4657)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | ADE274 |
| RGB | 173, 226, 116 |
| RGB Percent | 68%, 89%, 45% |
| CMY | 0.3217, 0.1137, 0.5451 |
| CMYK | 0.23, 0.00, 0.49, 0.11 |
| HSL | 89°, 65%, 67% |
| HSV | 89°, 49%, 89% |
| XYZ | 47.5754, 64.5379, 26.4693 |
| YIQ | 197.6130, 3.7220, -45.4460 |

Conversions

Conversions Part 2

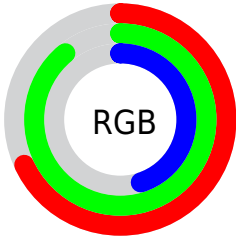
| Format | Color |
|-------------------------------------|--|
| RYB | 116, 226, 169 |
| Decimal | 11395700 |
| CIELab | 84.25, -35.10, 48.01 |
| CIELCh | 84, 59.474, 126.165 |
| Yxy | 64.5379, 0.3433, 0.4657 |
| Android (android.graphics.Color) | 4289585780 (0xFFADE274) |
| YUV | 197.6130, -40.2352, -21.5856 |
| Hunter-Lab | 80.3355, -34.8778, 36.6997 |

Details

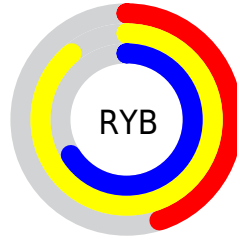
The Yxy color **64.5379, 0.3433, 0.4657** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **26.4207, 0.2635, 0.1916**, and the grayscale version is **56.4683, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2453, 0.3461, 0.4175**, and **32.9712, 0.3463, 0.5014** is the 20% darker color. If you saturate the color by 10%, you get **62.8854, 0.3466, 0.4942**, and if you desaturate by 10%, it is **66.4254, 0.3384, 0.4360**.

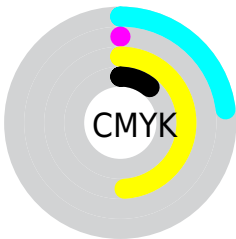
Distribution



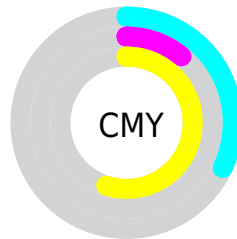
- Red (68%)
- Green (89%)
- Blue (45%)



- Red (45%)
- Yellow (89%)
- Blue (66%)



- Cyan (23%)
- Magenta (0%)
- Yellow (49%)
- Black (11%)





- Cyan (32%)
- Magenta (11%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.5379, 0.3433, 0.4657 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 64.5379, 0.3433, 0.4657 by changing the saturation by 10% instead.


 64.5379, 0.3433,
0.4657


 64.5379, 0.3433,
0.4657


441.1295, 0.3320,
0.3983

 47.0865, 0.3448,
0.4818


 111.3852, 0.3402,
0.4417

 33.1040, 0.3460,
0.5018


 141.5499, 0.3387,
0.4325

 22.2061, 0.3464,
0.5274


 176.7212, 0.3373,
0.4247

 14.0085, 0.3446,
0.5605

217.2834, 0.3361,
0.4179

 8.1265, 0.3381,
0.6046

263.6209, 0.3349,
0.4120

 4.1760, 0.3254,
0.6746

316.1182, 0.3339,

 1.7725, 0.2659,

0.4069

0.7341

375.1596, 0.3329,
0.4023

0.4700, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

64.5379, 0.3433,
0.4657

64.5379, 0.3433,
0.4657

62.8854, 0.3466,
0.4942

66.4254, 0.3384,
0.4360

61.4474, 0.3479,
0.5199


68.5501, 0.3325,
0.4063


60.2137, 0.3470,
0.5414


70.9250, 0.3258,
0.3776

59.1688, 0.3439,
0.5576

73.5593, 0.3188,
0.3507

 58.2912, 0.3389,
0.5684

 76.4620, 0.3118,
0.3258

 58.1841, 0.3382,
0.5697

 79.6412, 0.3049,
0.3032

 81.8059, 0.3101,
0.3006

 82.8802, 0.3140,
0.3009

Harmonies

Analogous

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



64.5379, 0.4096, 0.4507



64.5379, 0.3433, 0.4657



64.5379, 0.2725, 0.4293

Triad

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



64.5379, 0.3433, 0.4657



64.5379, 0.1873, 0.2339



64.5379, 0.4145, 0.2968

Complementary

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



64.5379, 0.3433, 0.4657



26.4207, 0.2635, 0.1916

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.



64.5379, 0.3421, 0.2522



64.5379, 0.3433, 0.4657



64.5379, 0.2147, 0.2162

Square

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



64.5379, 0.3433, 0.4657



64.5379, 0.1873, 0.2806



64.5379, 0.2686, 0.2236



64.5379, 0.4567, 0.3503

Rectangle

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



64.5379, 0.3433, 0.4657



64.5379, 0.2324, 0.3809



64.5379, 0.2686, 0.2236



64.5379, 0.3923, 0.2806

Sweetspot

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



64.5407, 0.3433, 0.4657



94.4449, 0.3233, 0.3678



45.1923, 0.4162, 0.3886



20.0617, 0.3248, 0.3736



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.



64.5407, 0.3433, 0.4657



82.7348, 0.3465, 0.4934



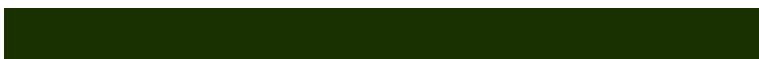
59.6297, 0.3076, 0.4820



15.6845, 0.3194, 0.3527



33.2606, 0.3393, 0.5688



2.3587, 0.3508, 0.5597

Inverse Universe

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



26.4207, 0.2635, 0.1916



27.2707, 0.2506, 0.1636



33.5651, 0.3146, 0.2104



13.5659, 0.3056, 0.3053



5.0566, 0.1993, 0.0871



0.4036, 0.2162, 0.0965

Previews

White Background



This preview shows how the Yxy color 64.5379, 0.3433, 0.4657 looks on a white background.

Color Contrast Check

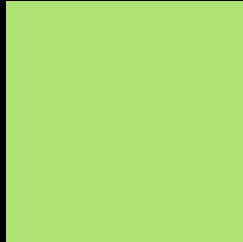
Large Text (above 18pt) WCAG AA × Fail

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 64.5379, 0.3433, 0.4657 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

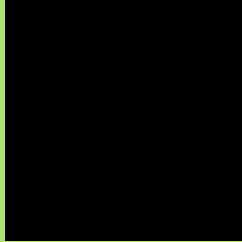
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.5379, 0.3433, 0.4657

Background



This preview shows how black text looks on a background with the Yxy color 64.5379, 0.3433, 0.4657.



This preview shows how white text looks on a background with the Yxy color 64.5379, 0.3433, 0.4657.

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

64.5379, 0.3433, 0.4657

Protanopia

64.2079, 0.3999, 0.4366

Deuteranopia

63.9737, 0.4174, 0.4083



Tritanopia

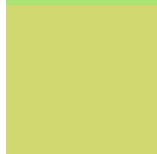
64.1205, 0.2849, 0.3093

Trichromacy



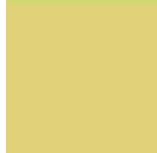
Original Color

64.5379, 0.3433, 0.4657



Protanomaly

63.9832, 0.3784, 0.4478



Deuteranomaly

62.9645, 0.3891, 0.4280



Tritanomaly

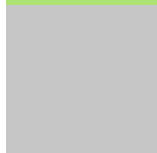
63.8842, 0.3068, 0.3644

Monochromacy



Original Color

64.5379, 0.3433, 0.4657



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

58.7577, 0.3263, 0.3789

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.5379, 0.3433, 0.4657 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(173, 226, 116)` looks like.

```
.text, #text, p{  
    color:rgb(173, 226, 116)  
}
```

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(173, 226, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 226, 116) }
```

Border

The CSS property to change the border of an element to Yxy 64.5379, 0.3433, 0.4657 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(173, 226, 116) }
```

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

```
.border{ border-color:rgb(173, 226, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 226, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 226, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 226, 116);  
box-shadow:4px 4px 4px 4px rgb(173, 226,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 64.5379, 0.3433, 0.4657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 226, 116) }
```

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

```
.background{ background-color: rgb(173,  
226, 116) }
```

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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