

Converting Colors

Yxy(51.8761, 0.3565, 0.4499)

Have a look what the booklet for
Yxy(51.8761, 0.3565, 0.4499)
contains.

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Color

Yxy(51.8761, 0.3565, 0.4499)

Conversions

Conversions Part 1

Format	Color
Hex	AEC96D
RGB	174, 201, 109
RGB Percent	68%, 79%, 43%
CMY	0.3176, 0.2118, 0.5724
CMYK	0.13, 0.00, 0.46, 0.21
HSL	78°, 46%, 61%
HSV	78°, 46%, 79%
XYZ	41.1065, 51.8761, 22.3232
YIQ	182.4390, 13.4400, -34.3360

Conversions

Conversions Part 2

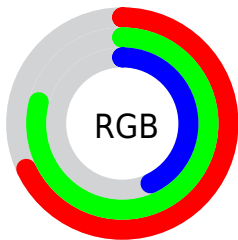
Format	Color
RYB	109, 201, 136
Decimal	11454829
CIELab	77.21, -23.63, 42.77
CIELCh	77, 48.866, 118.925
Yxy	51.8761, 0.3565, 0.4499
Android (android.graphics.Color)	4289644909 (0xFFAEC96D)
YUV	182.4390, -36.2054, -7.4010
Hunter-Lab	72.0251, -24.1694, 32.0414

Details

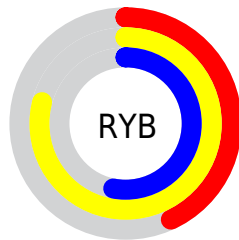
The Yxy color **51.8761, 0.3565, 0.4499** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **20.3970, 0.2507, 0.1954**, and the grayscale version is **47.2311, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1176, 0.3513, 0.4255**, and **25.1660, 0.3645, 0.4842** is the 20% darker color. If you saturate the color by 10%, you get **50.8311, 0.3636, 0.4755**, and if you desaturate by 10%, it is **53.0545, 0.3480, 0.4228**.

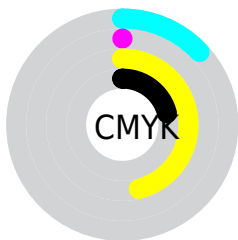
Distribution



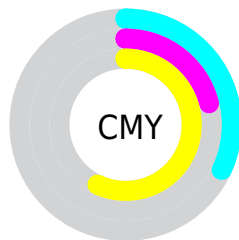
- Red (68%)
- Green (79%)
- Blue (43%)



- Red (43%)
- Yellow (79%)
- Blue (53%)



- Cyan (13%)
- Magenta (0%)
- Yellow (46%)
- Black (21%)





- Cyan (32%)
- Magenta (21%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.8761, 0.3565, 0.4499 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 51.8761, 0.3565, 0.4499 by changing the saturation by 10% instead.


 51.8761, 0.3565,
0.4499


 51.8761, 0.3565,
0.4499


393.9581, 0.3374,
0.3889

 36.9063, 0.3601,
0.4649


 92.9485, 0.3504,
0.4278


 25.1350, 0.3640,
0.4838


 119.8199, 0.3478,
0.4195

 16.1776, 0.3678,
0.5081


 151.4273, 0.3456,
0.4124

 9.6499, 0.3704,
0.5401

 188.1551, 0.3436,
0.4064

 5.1675, 0.3746,
0.5922

230.3877, 0.3418,
0.4011

 2.3459, 0.3561,
0.6439

278.5094, 0.3402,

 0.7978, 0.1852,

0.3965

0.8148

332.9048, 0.3387,
0.3925

0.0000, 0.0000,
0.0000

51.8761, 0.3565,
0.4499

51.8761, 0.3565,
0.4499

50.8311, 0.3636,
0.4755

53.0545, 0.3480,
0.4228

49.9052, 0.3687,
0.4986

54.3659, 0.3385,
0.3955

49.0928, 0.3714,
0.5179


55.8186, 0.3285,
0.3686

48.3845, 0.3716,
0.5326


57.4183, 0.3184,
0.3430


47.7688, 0.3694,
0.5425


59.1702, 0.3086,
0.3190

 47.5261, 0.3681,
0.5459

 61.0794, 0.2990,
0.2969

 63.1506, 0.2900,
0.2766

 64.3959, 0.2908,
0.2721

 65.3390, 0.2950,
0.2728

Harmonies

Analogous

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



51.8761, 0.4118, 0.4303



51.8761, 0.3565, 0.4499



51.8761, 0.2925, 0.4281

Triad

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



51.8761, 0.3565, 0.4499



51.8761, 0.1974, 0.2523



51.8761, 0.3889, 0.2900

Complementary

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



51.8761, 0.3565, 0.4499



20.3970, 0.2507, 0.1954

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.



51.8761, 0.3226, 0.2522



51.8761, 0.3565, 0.4499



51.8761, 0.2166, 0.2294

Square

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



51.8761, 0.3565, 0.4499



51.8761, 0.2042, 0.3011



51.8761, 0.2601, 0.2305



51.8761, 0.4345, 0.3375

Rectangle

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



51.8761, 0.3565, 0.4499



51.8761, 0.2538, 0.3909



51.8761, 0.2601, 0.2305



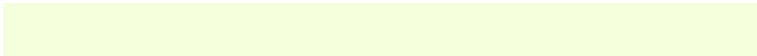
51.8761, 0.3678, 0.2759

Sweetspot

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



51.8784, 0.3565, 0.4499



95.9775, 0.3270, 0.3646



30.8754, 0.4181, 0.3634



20.4203, 0.3292, 0.3703



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.



51.8784, 0.3565, 0.4499



87.0257, 0.3636, 0.4756



47.5418, 0.3200, 0.4653



12.2547, 0.3221, 0.3521



29.9318, 0.3688, 0.5453



1.4532, 0.3798, 0.5367

Inverse Universe

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



20.3970, 0.2507, 0.1954



26.4825, 0.2335, 0.1634



24.9940, 0.2966, 0.2112



10.4357, 0.3028, 0.3054



3.2771, 0.1702, 0.0711



0.1932, 0.1937, 0.0841

Previews

White Background



This preview shows how the Yxy color 51.8761, 0.3565, 0.4499 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 51.8761, 0.3565, 0.4499 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 51.8761, 0.3565, 0.4499

Background



This preview shows how black text looks on a background with the Yxy color 51.8761, 0.3565, 0.4499.



This preview shows how white text looks on a background with the Yxy color 51.8761, 0.3565, 0.4499.

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

51.8761, 0.3565, 0.4499

Protanopia

51.4021, 0.3956, 0.4303

Deuteranopia

51.6597, 0.4135, 0.4052



Tritanopia

51.6738, 0.2984, 0.3104

Trichromacy



Original Color

51.8761, 0.3565, 0.4499

Protanomaly

51.3599, 0.3810, 0.4382

Deuteranomaly

51.2667, 0.3920, 0.4213

Tritanomaly

51.4309, 0.3210, 0.3601

Monochromacy



Original Color

51.8761, 0.3565, 0.4499

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

48.3455, 0.3307, 0.3744

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.8761, 0.3565, 0.4499 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(174, 201, 109)` looks like.

```
.text, #text, p{  
    color:rgb(174, 201, 109)  
}
```

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(174, 201, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 201, 109) }
```

Border

The CSS property to change the border of an element to Yxy 51.8761, 0.3565, 0.4499 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(174, 201, 109) }
```

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

```
.border{ border-color:rgb(174, 201, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 201, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 201, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 201, 109);  
box-shadow:4px 4px 4px 4px rgb(174, 201,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 51.8761, 0.3565, 0.4499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 201, 109) }
```

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

```
.background{ background-color: rgb(174,  
201, 109) }
```

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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