

Converting Colors

$Yxy(44.7117, 0.3591, 0.4306)$

Have a look what the booklet for
Yxy(44.7117, 0.3591, 0.4306)
contains.

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Color

Yxy(44.6163, 0.3596, 0.4309)

Conversions

Conversions Part 1

Format	Color
Hex	ACB96F
RGB	172, 185, 111
RGB Percent	67%, 73%, 44%
CMY	0.3254, 0.2745, 0.5646
CMYK	0.07, 0.00, 0.40, 0.27
HSL	71°, 35%, 58%
HSV	71°, 40%, 73%
XYZ	37.2337, 44.6163, 21.6921
YIQ	172.6770, 16.0060, -25.7700

Conversions

Conversions Part 2

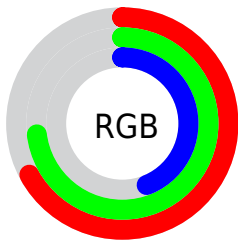
Format	Color
RYB	111, 185, 124
Decimal	11319663
CIELab	72.64, -16.21, 36.02
CIELCh	73, 39.497, 114.235
Yxy	44.6163, 0.3596, 0.4309
Android (android.graphics.Color)	4289509743 (0xFFACB96F)
YUV	172.6770, -30.4068, -0.5937
Hunter-Lab	66.7954, -17.3908, 27.5021

Details

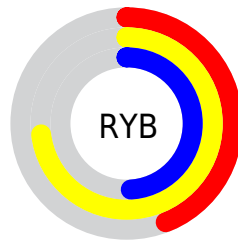
The Yxy color **44.6163, 0.3596, 0.4309** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **19.1606, 0.2520, 0.2122**, and the grayscale version is **41.7700, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0849, 0.3516, 0.4114**, and **20.6910, 0.3698, 0.4619** is the 20% darker color. If you saturate the color by 10%, you get **43.8889, 0.3697, 0.4556**, and if you desaturate by 10%, it is **45.4411, 0.3484, 0.4051**.

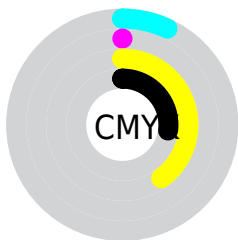
Distribution



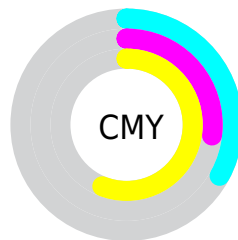
- Red (67%)
- Green (73%)
- Blue (44%)



- Red (44%)
- Yellow (73%)
- Blue (49%)



- Cyan (7%)
- Magenta (0%)
- Yellow (40%)
- Black (27%)





- Cyan (33%)
- Magenta (27%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.6163, 0.3596, 0.4309 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 44.6163, 0.3596, 0.4309 by changing the saturation by 10% instead.


 44.6163, 0.3596,
0.4309


 44.6163, 0.3596,
0.4309


365.2173, 0.3376,
0.3786

 31.1553, 0.3644,
0.4441


 82.1443, 0.3521,
0.4117


 20.7171, 0.3700,
0.4610


 106.9802, 0.3491,
0.4045

 12.9174, 0.3764,
0.4832


 136.3764, 0.3465,
0.3985

 7.3717, 0.3831,
0.5131

 170.7174, 0.3443,
0.3933

 3.6956, 0.3981,
0.5694

210.3876, 0.3423,
0.3889

 1.5048, 0.3839,
0.6161

255.7714, 0.3405,

 0.2921, 0.0000,

0.3850

1.0000

307.2532, 0.3390,
0.3816

■ 0.0000, 0.0000,
0.0000

■ 44.6163, 0.3596,
0.4309

■ 44.6163, 0.3596,
0.4309

■ 43.8889, 0.3697,
0.4556

■ 45.4411, 0.3484,
0.4051

■ 43.2476, 0.3781,
0.4780

■ 46.3621, 0.3366,
0.3790

■ 42.6884, 0.3844,
0.4971

■ 47.3859, 0.3245,
0.3534


■ 42.2048, 0.3882,
0.5122

■ 48.5166, 0.3127,
0.3290

■ 41.7887, 0.3894,
0.5228

■ 49.7583, 0.3013,
0.3060


 41.4242, 0.3886,
0.5296

 51.1146, 0.2905,
0.2848

 41.4239, 0.3886,
0.5296

 52.5891, 0.2804,
0.2653

 53.9238, 0.2736,
0.2514

 54.3700, 0.2759,
0.2518

Harmonies

Analogous

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



44.6163, 0.4040, 0.4121



44.6163, 0.3596, 0.4309



44.6163, 0.3049, 0.4172

Triad

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



44.6163, 0.3596, 0.4309



44.6163, 0.2122, 0.2691



44.6163, 0.3695, 0.2898

Complementary

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



44.6163, 0.3596, 0.4309



19.1606, 0.2520, 0.2122

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.



44.6163, 0.3127, 0.2583



44.6163, 0.3596, 0.4309



44.6163, 0.2255, 0.2448

Square

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



44.6163, 0.3596, 0.4309



44.6163, 0.2221, 0.3145



44.6163, 0.2606, 0.2421



44.6163, 0.4120, 0.3308

Rectangle

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



44.6163, 0.3596, 0.4309



44.6163, 0.2701, 0.3892



44.6163, 0.2606, 0.2421



44.6163, 0.3511, 0.2779

Sweetspot

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



44.6183, 0.3596, 0.4309



84.4462, 0.3272, 0.3590



25.7144, 0.4047, 0.3468



18.1528, 0.3287, 0.3622



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



44.6183, 0.3596, 0.4309



78.7527, 0.3685, 0.4527



41.0537, 0.3269, 0.4427



10.4215, 0.3237, 0.3518



28.2339, 0.3890, 0.5293



1.0165, 0.3973, 0.5227

Inverse Universe

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



19.1606, 0.2520, 0.2122



26.8565, 0.2355, 0.1826



22.3836, 0.2898, 0.2237



8.7933, 0.3011, 0.3056



2.6224, 0.1587, 0.0648



0.1159, 0.1815, 0.0774

Previews

White Background



This preview shows how the Yxy color 44.6163, 0.3596, 0.4309 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 44.6163, 0.3596, 0.4309 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

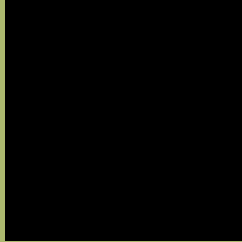
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.6163, 0.3596, 0.4309

Background



This preview shows how black text looks on a background with the Yxy color 44.6163, 0.3596, 0.4309.



This preview shows how white text looks on a background with the Yxy color 44.6163, 0.3596, 0.4309.

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

44.6163, 0.3596, 0.4309

Protanopia

44.3928, 0.3861, 0.4193

Deuteranopia

44.2605, 0.4049, 0.3970



Tritanopia

44.7135, 0.3067, 0.3108

Trichromacy



Original Color

44.6163, 0.3596, 0.4309

Protanomaly

44.5910, 0.3761, 0.4242

Deuteranomaly

43.9943, 0.3885, 0.4082

Tritanomaly

44.2784, 0.3265, 0.3534

Monochromacy



Original Color

44.6163, 0.3596, 0.4309

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

42.5305, 0.3315, 0.3666

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.6163, 0.3596, 0.4309 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(172, 185, 111)` looks like.

```
.text, #text, p{  
    color:rgb(172, 185, 111)  
}
```

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(172, 185, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 185, 111) }
```

Border

The CSS property to change the border of an element to Yxy 44.6163, 0.3596, 0.4309 is called "border". The border property can be set on classes, ids or directly on the HTML element.

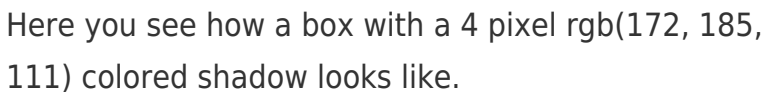
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(172, 185, 111) }
```

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

```
.border{ border-color:rgb(172, 185, 111) }
```

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



Here you see how a box with a 4 pixel `rgb(172, 185, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 185, 111); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 185, 111); box-shadow:4px 4px 4px 4px rgb(172, 185, 111) }
```


Background

The CSS property to change the background color of an element to Yxy 44.6163, 0.3596, 0.4309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 185, 111) }
```

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

```
.background{ background-color: rgb(172,  
185, 111) }
```

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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