

Converting Colors

$Y_{xy}(44.7694, 0.3593, 0.4304)$

Have a look what the booklet for
Yxy(44.7694, 0.3593, 0.4304)
contains.

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Color

Yxy(44.6384, 0.3589, 0.4296)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | ACB970 |
| RGB | 172, 185, 112 |
| RGB Percent | 67%, 73%, 44% |
| CMY | 0.3253, 0.2745, 0.5608 |
| CMYK | 0.07, 0.00, 0.39, 0.27 |
| HSL | 71°, 34%, 58% |
| HSV | 71°, 39%, 73% |
| XYZ | 37.2922, 44.6384, 21.9763 |
| YIQ | 172.7910, 15.6850, -25.4590 |

Conversions

Conversions Part 2

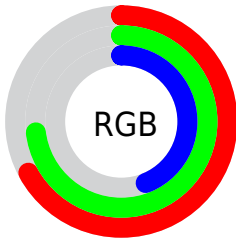
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 112, 185, 125 |
| Decimal | 11319664 |
| CIELab | 72.65, -16.08, 35.53 |
| CIELCh | 73, 39.004, 114.355 |
| Yxy | 44.6384, 0.3589, 0.4296 |
| Android (android.graphics.Color) | 4289509744 (0xFFACB970) |
| YUV | 172.7910, -29.9700, -0.6937 |
| Hunter-Lab | 66.8120, -17.2883, 27.2663 |

Details

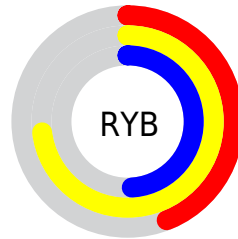
The Yxy color **44.6384, 0.3589, 0.4296** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **19.4449, 0.2531, 0.2140**, and the grayscale version is **41.8299, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1212, 0.3510, 0.4104**, and **20.7019, 0.3689, 0.4603** is the 20% darker color. If you saturate the color by 10%, you get **43.9027, 0.3690, 0.4544**, and if you desaturate by 10%, it is **45.4719, 0.3477, 0.4037**.

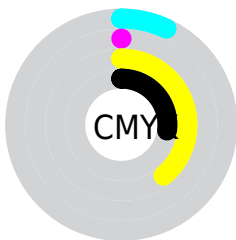
Distribution



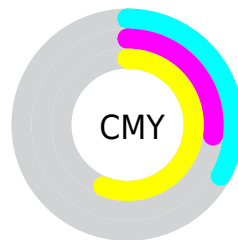
- Red (67%)
- Green (73%)
- Blue (44%)



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



- Cyan (7%)
- Magenta (0%)
- Yellow (39%)
- Black (27%)





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

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.6384, 0.3589, 0.4296 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 44.6384, 0.3589, 0.4296 by changing the saturation by 10% instead.

 44.6384, 0.3589,
0.4296

 44.6384, 0.3589,
0.4296


365.3071, 0.3372,
0.3779

 31.1727, 0.3636,
0.4427


 82.1775, 0.3515,
0.4106


 20.7304, 0.3692,
0.4594


 107.0197, 0.3485,
0.4036

 12.9271, 0.3756,
0.4814


 136.4229, 0.3460,
0.3976

 7.3783, 0.3823,
0.5111

 170.7715, 0.3438,
0.3925

 3.6998, 0.3966,
0.5658

210.4498, 0.3418,
0.3881

 1.5071, 0.3848,
0.6152

255.8422, 0.3401,

 0.2937, 0.0000,

0.3843

1.0000

307.3332, 0.3385,
0.3809

0.0000, 0.0000,
0.0000

44.6384, 0.3589,
0.4296

44.6384, 0.3589,
0.4296

43.9027, 0.3690,
0.4544

45.4719, 0.3477,
0.4037

43.2536, 0.3775,
0.4770

46.4022, 0.3359,
0.3776

42.6871, 0.3838,
0.4963


47.4356, 0.3239,
0.3521


42.1967, 0.3878,
0.5117


48.5763, 0.3121,
0.3277

41.7745, 0.3891,
0.5226

49.8284, 0.3008,
0.3049


 41.4058, 0.3883,
0.5295

 51.1955, 0.2900,
0.2837

 41.3865, 0.3883,
0.5299

 52.6812, 0.2800,
0.2643

 53.9636, 0.2738,
0.2514

 54.4156, 0.2761,
0.2519

Harmonies

Analogous

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



44.6384, 0.4028, 0.4113



44.6384, 0.3589, 0.4296



44.6384, 0.3048, 0.4158

Triad

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



44.6384, 0.3589, 0.4296



44.6384, 0.2133, 0.2698



44.6384, 0.3690, 0.2904

Complementary

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



44.6384, 0.3589, 0.4296



19.4449, 0.2531, 0.2140

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.



44.6384, 0.3129, 0.2592



44.6384, 0.3589, 0.4296



44.6384, 0.2266, 0.2458

Square

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



44.6384, 0.3589, 0.4296



44.6384, 0.2231, 0.3145



44.6384, 0.2615, 0.2431



44.6384, 0.4108, 0.3310

Rectangle

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



44.6384, 0.3589, 0.4296



44.6384, 0.2705, 0.3882



44.6384, 0.2615, 0.2431



44.6384, 0.3509, 0.2787

Sweetspot

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



44.6404, 0.3589, 0.4296



84.4368, 0.3271, 0.3590



25.9382, 0.4030, 0.3466



18.1506, 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.



44.6404, 0.3589, 0.4296



78.8462, 0.3674, 0.4503



41.1272, 0.3268, 0.4410



10.4206, 0.3237, 0.3518



28.2106, 0.3887, 0.5296



1.0159, 0.3971, 0.5229

Inverse Universe

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



19.4449, 0.2531, 0.2140



27.6695, 0.2376, 0.1861



22.6306, 0.2902, 0.2251



8.7941, 0.3011, 0.3056



2.6265, 0.1589, 0.0649



0.1162, 0.1819, 0.0775

Previews

White Background



This preview shows how the Yxy color 44.6384, 0.3589, 0.4296 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 44.6384, 0.3589, 0.4296 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

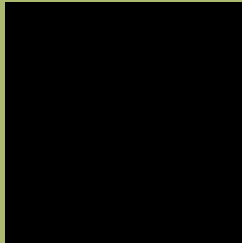
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

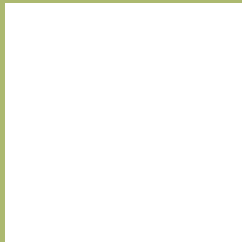
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.6384, 0.3589, 0.4296

Background



This preview shows how black text looks on a background with the Yxy color 44.6384, 0.3589, 0.4296.



This preview shows how white text looks on a background with the Yxy color 44.6384, 0.3589, 0.4296.

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

44.6384, 0.3589, 0.4296

Protanopia

44.4143, 0.3853, 0.4181

Deuteranopia

44.2834, 0.4041, 0.3959



Tritanopia

44.7135, 0.3067, 0.3108

Trichromacy



Original Color

44.6384, 0.3589, 0.4296

Protanomaly

44.6126, 0.3753, 0.4230

Deuteranomaly

44.0170, 0.3876, 0.4070

Tritanomaly

44.3138, 0.3257, 0.3520

Monochromacy



Original Color

44.6384, 0.3589, 0.4296

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

42.5629, 0.3306, 0.3651

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.6384, 0.3589, 0.4296 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, 112)` looks like.

```
.text, #text, p{  
    color:rgb(172, 185, 112)  
}
```

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, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 185, 112) }
```

Border

The CSS property to change the border of an element to Yxy 44.6384, 0.3589, 0.4296 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, 112) }
```

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

```
.border{ border-color:rgb(172, 185, 112) }
```

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, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 185, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 185, 112);  
box-shadow:4px 4px 4px 4px rgb(172, 185,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 44.6384, 0.3589, 0.4296 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, 112) }
```

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

```
.background{ background-color: rgb(172,  
185, 112) }
```

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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