

Converting Colors

$Y_{xy}(43.4409, 0.3793, 0.4678)$

Have a look what the booklet for
Yxy(43.4409, 0.3793, 0.4678)
contains.

Yxy(43.4062, 0.3794, 0.4683)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(43.4062, 0.3794, 0.4683)

Conversions

Conversions Part 1

Format	Color
Hex	AAB850
RGB	170, 184, 80
RGB Percent	67%, 72%, 31%
CMY	0.3333, 0.2784, 0.6862
CMYK	0.08, 0.00, 0.57, 0.28
HSL	68°, 42%, 52%
HSV	68°, 57%, 72%
XYZ	35.1662, 43.4062, 14.1165
YIQ	167.9580, 25.0400, -35.3120

Conversions

Conversions Part 2

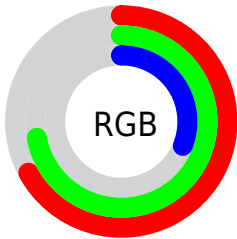
Format	Color
RYB	80, 184, 94
Decimal	11188304
CIELab	71.83, -19.63, 50.21
CIELCh	72, 53.907, 111.353
Yxy	43.4062, 0.3794, 0.4683
Android (android.graphics.Color)	4289378384 (0xFFAAB850)
YUV	167.9580, -43.3633, 1.7908
Hunter-Lab	65.8834, -20.0191, 33.4146

Details

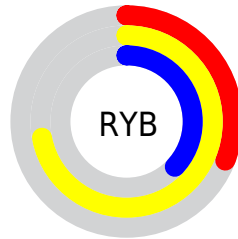
The Yxy color **43.4062, 0.3794, 0.4683** is a dark color, and the websafe version is hex **CCCC66**. A complement of this color would be **11.5812, 0.2168, 0.1555**, and the grayscale version is **39.3454, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.3445, 0.3694, 0.4425**, and **19.9520, 0.3907, 0.5071** is the 20% darker color. If you saturate the color by 10%, you get **42.8987, 0.3872, 0.4879**, and if you desaturate by 10%, it is **43.9973, 0.3696, 0.4457**.

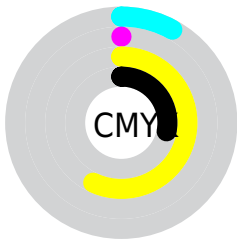
Distribution



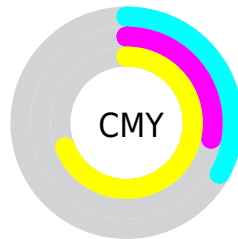
- Red (67%)
- Green (72%)
- Blue (31%)



- Red (31%)
- Yellow (72%)
- Blue (37%)



- Cyan (8%)
- Magenta (0%)
- Yellow (57%)
- Black (28%)





- Cyan (33%)
- Magenta (28%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.4062, 0.3794, 0.4683 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 43.4062, 0.3794, 0.4683 by changing the saturation by 10% instead.

 43.4062, 0.3794,
0.4683


 43.4062, 0.3794,
0.4683


360.2796, 0.3495,
0.3974


 30.2040, 0.3850,
0.4854


 80.3235, 0.3697,
0.4428

 19.9934, 0.3909,
0.5066


 104.8073, 0.3657,
0.4331

 12.3903, 0.3961,
0.5329


 133.8204, 0.3622,
0.4248

 7.0101, 0.4022,
0.5712

 167.7473, 0.3590,
0.4178

 3.4684, 0.3928,
0.6072

 206.9722, 0.3562,
0.4117

 1.3809, 0.3567,
0.6433

251.8796, 0.3537,

 0.2026, 0.0000,

0.4063

1.0000

302.8540, 0.3515,
0.4016

■ 0.0000, 0.0000,
0.0000

■ 43.4062, 0.3794,
0.4683

■ 43.4062, 0.3794,
0.4683

■ 42.8987, 0.3872,
0.4879

■ 43.9973, 0.3696,
0.4457

■ 42.4627, 0.3926,
0.5035

■ 44.6717, 0.3583,
0.4211

■ 42.0928, 0.3955,
0.5149

■ 45.4364, 0.3461,
0.3955

■ 41.7793, 0.3959,
0.5219

■ 46.2959, 0.3335,
0.3698

■ 41.6765, 0.3958,
0.5239

■ 47.2548, 0.3208,
0.3447

■ 48.3168, 0.3085,
0.3208

■ 49.4859, 0.2967,
0.2984

■ 50.7657, 0.2856,
0.2776

■ 52.1595, 0.2753,
0.2586

Harmonies

Analogous

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



43.4062, 0.4386, 0.4331



43.4062, 0.3794, 0.4683



43.4062, 0.3062, 0.4588

Triad

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



43.4062, 0.3794, 0.4683



43.4062, 0.1801, 0.2505



43.4062, 0.3830, 0.2714

Complementary

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



43.4062, 0.3794, 0.4683



11.5812, 0.2168, 0.1555

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.



43.4062, 0.3038, 0.2330



43.4062, 0.3794, 0.4683



43.4062, 0.1944, 0.2183

Square

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



43.4062, 0.3794, 0.4683



43.4062, 0.1945, 0.3135



43.4062, 0.2365, 0.2138



43.4062, 0.4456, 0.3227

Rectangle

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



43.4062, 0.3794, 0.4683



43.4062, 0.2593, 0.4214



43.4062, 0.2365, 0.2138



43.4062, 0.3568, 0.2568

Sweetspot

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



43.4082, 0.3794, 0.4683



83.7932, 0.3345, 0.3718



18.7545, 0.4682, 0.3483



17.9949, 0.3370, 0.3769



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.



43.4082, 0.3794, 0.4683



77.5417, 0.3889, 0.4924



38.7240, 0.3323, 0.4933



10.4404, 0.3244, 0.3517



28.7439, 0.3961, 0.5237



1.0304, 0.4025, 0.5186

Inverse Universe

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



11.5812, 0.2168, 0.1555



14.1733, 0.1931, 0.1168



15.2999, 0.2724, 0.1785



8.7759, 0.3005, 0.3055



2.5440, 0.1559, 0.0632



0.1085, 0.1746, 0.0735

Previews

White Background



This preview shows how the Yxy color 43.4062, 0.3794, 0.4683 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 43.4062, 0.3794, 0.4683 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

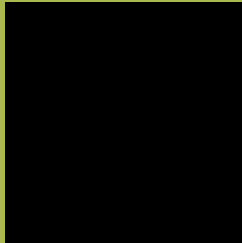
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.4062, 0.3794, 0.4683

Background



This preview shows how black text looks on a background with the Yxy color 43.4062, 0.3794, 0.4683.



This preview shows how white text looks on a background with the Yxy color 43.4062, 0.3794, 0.4683.

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

43.4062, 0.3794, 0.4683

Protanopia

43.2028, 0.4101, 0.4497

Deuteranopia

43.0450, 0.4334, 0.4233



Tritanopia

43.2561, 0.3091, 0.3120

Trichromacy



Original Color

43.4062, 0.3794, 0.4683

Protanomaly

43.2438, 0.3986, 0.4563

Deuteranomaly

42.7910, 0.4139, 0.4392

Tritanomaly

42.8980, 0.3377, 0.3703

Monochromacy



Original Color

43.4062, 0.3794, 0.4683

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

40.4847, 0.3402, 0.3832

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.4062, 0.3794, 0.4683 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(170, 184, 80)` looks like.

```
.text, #text, p{  
    color:rgb(170, 184, 80)  
}
```

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(170, 184, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 184, 80) }
```

Border

The CSS property to change the border of an element to Yxy 43.4062, 0.3794, 0.4683 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(170, 184, 80) }
```

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

```
.border{ border-color:rgb(170, 184, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 184, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 184, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 184, 80);  
box-shadow:4px 4px 4px 4px rgb(170, 184,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 43.4062, 0.3794, 0.4683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 184, 80) }
```

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

```
.background{ background-color: rgb(170,  
184, 80) }
```

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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