

Converting Colors

$Y_{xy}(49.8982, 0.3974, 0.4344)$

Have a look what the booklet for
Yxy(49.8982, 0.3974, 0.4344)
contains.

Yxy(50.0084, 0.3976, 0.4347)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(50.0084, 0.3976, 0.4347)

Conversions

Conversions Part 1

Format	Color
Hex	CEBC64
RGB	206, 188, 100
RGB Percent	81%, 74%, 39%
CMY	0.1921, 0.2627, 0.6079
CMYK	0.00, 0.09, 0.51, 0.19
HSL	50°, 52%, 60%
HSV	50°, 51%, 81%
XYZ	45.7404, 50.0084, 19.2924
YIQ	183.3500, 38.9760, -23.5520

Conversions

Conversions Part 2

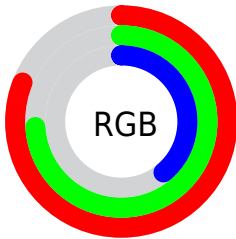
Format	Color
R_{YB}	122, 206, 100
Decimal	13548644
CIE Lab	76.07, -5.05, 46.42
CIE LCh	76, 46.690, 96.208
Yxy	50.0084, 0.3976, 0.4347
Android (android.graphics.Color)	4291738724 (0xFFCEBC64)
YUV	183.3500, -41.0915, 19.8641
Hunter-Lab	70.7166, -8.2981, 33.3266

Details

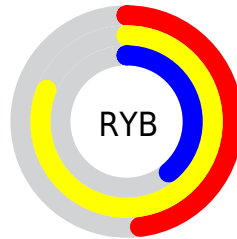
The Yxy color **50.0084, 0.3976, 0.4347** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **20.1220, 0.2198, 0.1933**, and the grayscale version is **47.7716, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2613, 0.3767, 0.4191**, and **23.9393, 0.4161, 0.4609** is the 20% darker color. If you saturate the color by 10%, you get **48.1833, 0.4134, 0.4513**, and if you desaturate by 10%, it is **51.9753, 0.3808, 0.4155**.

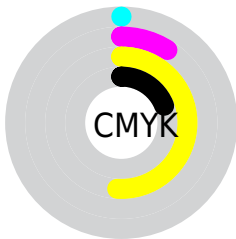
Distribution



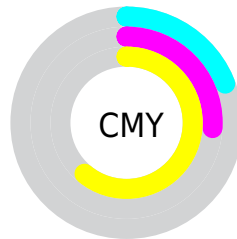
- Red (81%)
- Green (74%)
- Blue (39%)



- Red (48%)
- Yellow (81%)
- Blue (39%)



- Cyan (0%)
- Magenta (9%)
- Yellow (51%)
- Black (19%)





- Cyan (19%)
- Magenta (26%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.0084, 0.3976, 0.4347 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 50.0084, 0.3976, 0.4347 by changing the saturation by 10% instead.


 50.0084, 0.3976,
0.4347

 50.0084, 0.3976,
0.4347


386.6988, 0.3577,
0.3837


 35.4201, 0.4063,
0.4463


 90.1873, 0.3840,
0.4169

 23.9866, 0.4165,
0.4603


 116.5467, 0.3786,
0.4100

 15.3237, 0.4284,
0.4772


 147.5986, 0.3739,
0.4041

 9.0469, 0.4416,
0.4974

 183.7273, 0.3698,
0.3989

 4.7718, 0.4662,
0.5338

225.3173, 0.3663,
0.3944

 2.1140, 0.4595,
0.5405

272.7529, 0.3631,

 0.6725, 0.4341,

0.3904

0.5659

326.4186, 0.3603,
0.3869

0.0000, 0.0000,
0.0000

50.0084, 0.3976,
0.4347

50.0084, 0.3976,
0.4347

48.1833, 0.4134,
0.4513

51.9753, 0.3808,
0.4155

46.4850, 0.4273,
0.4645

54.0843, 0.3636,
0.3949

44.9066, 0.4389,
0.4734

56.3441, 0.3466,
0.3736

43.4374, 0.4476,
0.4777

58.7610, 0.3303,
0.3524

42.2542, 0.4531,
0.4784

61.3406, 0.3149,
0.3319

■ 64.0882, 0.3006,
0.3125

■ 67.0089, 0.2876,
0.2943

■ 69.4605, 0.2813,
0.2871

■ 71.2737, 0.2816,
0.2909

Harmonies

Analogous

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



50.0084, 0.4339, 0.3972



50.0084, 0.3976, 0.4347



50.0084, 0.3405, 0.4447

Triad

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



50.0084, 0.3976, 0.4347



50.0084, 0.2034, 0.2886



50.0084, 0.3385, 0.2621

Complementary

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



50.0084, 0.3976, 0.4347



20.1220, 0.2198, 0.1933

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.



50.0084, 0.2752, 0.2367



50.0084, 0.3976, 0.4347



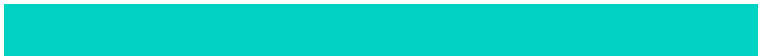
50.0084, 0.2030, 0.2471

Square

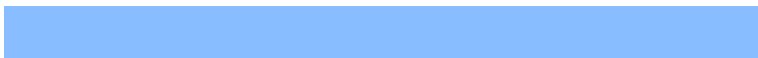
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



50.0084, 0.3976, 0.4347



50.0084, 0.2296, 0.3508



50.0084, 0.2276, 0.2305



50.0084, 0.3998, 0.3019

Rectangle

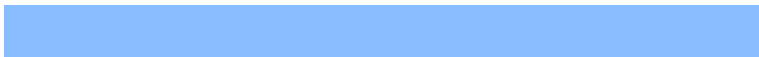
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.0084, 0.3976, 0.4347



50.0084, 0.2989, 0.4282



50.0084, 0.2276, 0.2305



50.0084, 0.3165, 0.2517

Sweetspot

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



50.0107, 0.3976, 0.4347



93.6994, 0.3362, 0.3602



23.5770, 0.4316, 0.3049



19.8764, 0.3397, 0.3648



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.



50.0107, 0.3976, 0.4347



77.6813, 0.4153, 0.4533



53.8925, 0.3587, 0.4660



12.7596, 0.3270, 0.3481



26.1376, 0.4526, 0.4789



1.4364, 0.4450, 0.4849

Inverse Universe

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



20.1220, 0.2198, 0.1933



24.1128, 0.1984, 0.1587



18.5996, 0.2431, 0.1776



11.1470, 0.2982, 0.3092



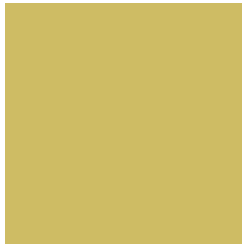
3.5825, 0.1545, 0.0760



0.2827, 0.1636, 0.1090

Previews

White Background



This preview shows how the Yxy color 50.0084, 0.3976, 0.4347 looks on a white background.

Color Contrast Check

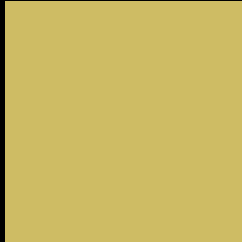
Large Text (above 18pt) WCAG AA × Fail

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 50.0084, 0.3976, 0.4347 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

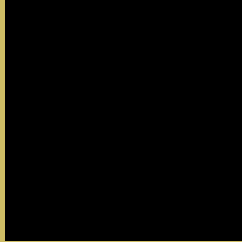
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.0084, 0.3976, 0.4347

Background



This preview shows how black text looks on a background with the Yxy color 50.0084, 0.3976, 0.4347.



This preview shows how white text looks on a background with the Yxy color 50.0084, 0.3976, 0.4347.

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

50.0084, 0.3976, 0.4347

Protanopia

50.1519, 0.3985, 0.4343

Deuteranopia

49.8575, 0.4229, 0.4148



Tritanopia

50.0495, 0.3344, 0.3137

Trichromacy



Original Color

50.0084, 0.3976, 0.4347

Protanomaly

50.1519, 0.3985, 0.4343

Deuteranomaly

49.7676, 0.4144, 0.4217

Tritanomaly

49.9216, 0.3593, 0.3583

Monochromacy



Original Color

50.0084, 0.3976, 0.4347

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

48.0742, 0.3437, 0.3706

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.0084, 0.3976, 0.4347 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(206, 188, 100)` looks like.

```
.text, #text, p{  
    color:rgb(206, 188, 100)  
}
```

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(206, 188, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 188, 100) }
```

Border

The CSS property to change the border of an element to Yxy 50.0084, 0.3976, 0.4347 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(206, 188, 100) }
```

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

```
.border{ border-color:rgb(206, 188, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 188, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 188, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 188, 100);  
box-shadow:4px 4px 4px 4px rgb(206, 188,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 50.0084, 0.3976, 0.4347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 188, 100) }
```

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

```
.background{ background-color: rgb(206,  
188, 100) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor