

Converting Colors

$Yxy(64.7051, 0.3866, 0.4763)$

Have a look what the booklet for
Yxy(64.7051, 0.3866, 0.4763)
contains.

Yxy(64.9801, 0.3869, 0.4768)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(64.9801, 0.3869, 0.4768)

Conversions

Conversions Part 1

Format	Color
Hex	CEDC56
RGB	206, 220, 86
RGB Percent	81%, 86%, 34%
CMY	0.1922, 0.1372, 0.6626
CMYK	0.06, 0.00, 0.61, 0.14
HSL	66°, 66%, 60%
HSV	66°, 61%, 86%
XYZ	52.7282, 64.9801, 18.5755
YIQ	200.5380, 34.6700, -44.6420

Conversions

Conversions Part 2

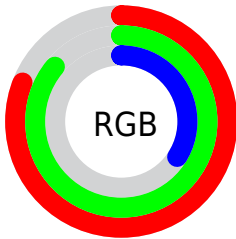
Format	Color
R_{YB}	86, 220, 100
Decimal	13556822
CIE _{Lab}	84.47, -22.24, 62.31
CIE _{LCh}	84, 66.156, 109.641
Yxy	64.9801, 0.3869, 0.4768
Android (android.graphics.Color)	4291746902 (0xFFCEDC56)
YUV	200.5380, -56.4672, 4.7902
Hunter-Lab	80.6102, -24.3088, 42.7646

Details

The Yxy color **64.9801, 0.3869, 0.4768** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **14.5417, 0.2040, 0.1379**, and the grayscale version is **58.4518, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7031, 0.3793, 0.4391**, and **33.3744, 0.3978, 0.5099** is the 20% darker color. If you saturate the color by 10%, you get **64.3544, 0.3941, 0.4940**, and if you desaturate by 10%, it is **65.7257, 0.3774, 0.4560**.

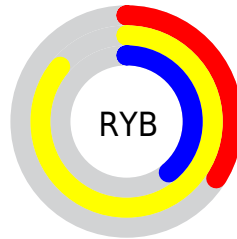
Distribution



Red (81%)

Green (86%)

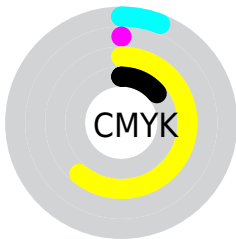
Blue (34%)



Red (34%)

Yellow (86%)

Blue (39%)

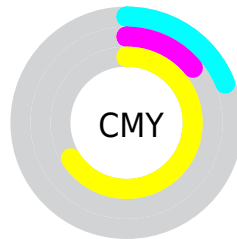


Cyan (6%)

Magenta (0%)

Yellow (61%)

Black (14%)



Cyan (19%)


Magenta (14%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.9801, 0.3869, 0.4768 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 64.9801, 0.3869, 0.4768 by changing the saturation by 10% instead.

 64.9801, 0.3869,
0.4768


 64.9801, 0.3869,
0.4768


442.7205, 0.3566,
0.4074

 47.4449, 0.3921,
0.4919

 112.0212, 0.3777,
0.4531


 33.3875, 0.3973,
0.5099


 142.2960, 0.3737,
0.4437

 22.4235, 0.4019,
0.5312


 177.5861, 0.3701,
0.4356

 14.1684, 0.4045,
0.5561

 218.2760, 0.3668,
0.4285

 8.2379, 0.4075,
0.5925

264.7499, 0.3639,
0.4223

 4.2475, 0.3870,
0.6130

317.3924, 0.3612,

 1.8130, 0.3527,

0.4167

0.6473

376.5878, 0.3588,
0.4118

0.4952, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

64.9801, 0.3869,
0.4768

64.9801, 0.3869,
0.4768

64.3544, 0.3941,
0.4940

65.7257, 0.3774,
0.4560

63.8293, 0.3988,
0.5070

66.5913, 0.3661,
0.4325

63.3953, 0.4008,
0.5154

67.5881, 0.3536,
0.4073

63.0599, 0.4009,
0.5199

68.7235, 0.3404,
0.3815

■ 70.0044, 0.3270,
0.3559

■ 71.4370, 0.3139,
0.3311

■ 73.0276, 0.3012,
0.3077

■ 74.3194, 0.2935,
0.2928

■ 74.6902, 0.2950,
0.2929

Harmonies

Analogous

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



64.9801, 0.4490, 0.4356



64.9801, 0.3869, 0.4768



64.9801, 0.3093, 0.4717

Triad

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



64.9801, 0.3869, 0.4768



64.9801, 0.1722, 0.2476



64.9801, 0.3831, 0.2649

Complementary

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



64.9801, 0.3869, 0.4768



14.5417, 0.2040, 0.1379

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.



64.9801, 0.2982, 0.2255



64.9801, 0.3869, 0.4768



64.9801, 0.1857, 0.2124

Square

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



64.9801, 0.3869, 0.4768



64.9801, 0.1887, 0.3164



64.9801, 0.2281, 0.2065



64.9801, 0.4525, 0.3181

Rectangle

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



64.9801, 0.3869, 0.4768



64.9801, 0.2590, 0.4333



64.9801, 0.2281, 0.2065



64.9801, 0.3547, 0.2498

Sweetspot

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



64.9831, 0.3869, 0.4768



96.4898, 0.3367, 0.3744



24.8958, 0.4936, 0.3442



20.5452, 0.3407, 0.3820



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.



64.9831, 0.3869, 0.4768



89.7025, 0.3956, 0.4980



57.4041, 0.3356, 0.5066



15.1912, 0.3251, 0.3522



37.0366, 0.4012, 0.5197



2.4197, 0.4043, 0.5172

Inverse Universe

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



14.5417, 0.2040, 0.1379



13.5475, 0.1811, 0.1013



19.9822, 0.2630, 0.1639



12.6820, 0.2997, 0.3049



3.1624, 0.1538, 0.0621



0.2274, 0.1637, 0.0675

Previews

White Background



This preview shows how the Yxy color 64.9801, 0.3869, 0.4768 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 64.9801, 0.3869, 0.4768 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 64.9801, 0.3869, 0.4768

Background



This preview shows how black text looks on a background with the Yxy color 64.9801, 0.3869, 0.4768.



This preview shows how white text looks on a background with the Yxy color 64.9801, 0.3869, 0.4768.

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

64.9801, 0.3869, 0.4768

Protanopia

64.8752, 0.4175, 0.4582

Deuteranopia

64.7620, 0.4204, 0.4156



Tritanopia

64.6322, 0.3120, 0.3114

Trichromacy



Original Color

64.9801, 0.3869, 0.4768

Protanomaly

64.5805, 0.4061, 0.4651

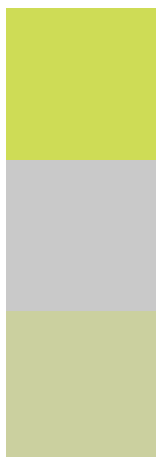
Deuteranomaly

64.6254, 0.4085, 0.4380

Tritanomaly

64.0527, 0.3428, 0.3730

Monochromacy



Original Color

64.9801, 0.3869, 0.4768

Achromatopsia

58.4078, 0.3127, 0.3290

Achromatomaly

60.3115, 0.3439, 0.3882

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.9801, 0.3869, 0.4768 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, 220, 86)` looks like.

```
.text, #text, p{  
    color:rgb(206, 220, 86)  
}
```

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, 220, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 220, 86) }
```

Border

The CSS property to change the border of an element to Yxy 64.9801, 0.3869, 0.4768 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, 220, 86) }
```

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

```
.border{ border-color:rgb(206, 220, 86) }
```

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

Here you see how a box with a 4 pixel rgb(206, 220, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 220, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 220, 86);  
box-shadow:4px 4px 4px 4px rgb(206, 220,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 64.9801, 0.3869, 0.4768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 220, 86) }
```

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

```
.background{ background-color: rgb(206,  
220, 86) }
```

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