

Converting Colors

$Yxy(66.7234, 0.3404, 0.4203)$

Have a look what the booklet for
Yxy(66.7234, 0.3404, 0.4203)
contains.

Yxy(66.7869, 0.3399, 0.4205)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(66.7869, 0.3399, 0.4205)

Conversions

Conversions Part 1

Format	Color
Hex	C1E094
RGB	193, 224, 148
RGB Percent	76%, 88%, 58%
CMY	0.2433, 0.1215, 0.4197
CMYK	0.14, 0.00, 0.34, 0.12
HSL	85°, 55%, 73%
HSV	85°, 34%, 88%
XYZ	53.9854, 66.7869, 38.0550
YIQ	206.0670, 5.9200, -30.2080

Conversions

Conversions Part 2

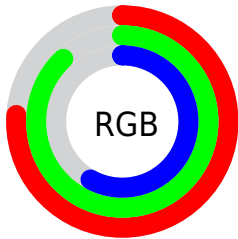
Format	Color
RYB	148, 224, 179
Decimal	12705940
CIELab	85.40, -22.97, 33.94
CIELCh	85, 40.986, 124.093
Yxy	66.7869, 0.3399, 0.4205
Android (android.graphics.Color)	4290896020 (0xFFC1E094)
YUV	206.0670, -28.6270, -11.4598
Hunter-Lab	81.7233, -25.1007, 29.5975

Details

The Yxy color **66.7869, 0.3399, 0.4205** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **36.1450, 0.2768, 0.2346**, and the grayscale version is **61.9475, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1558, 0.3403, 0.3806**, and **34.6237, 0.3445, 0.4454** is the 20% darker color. If you saturate the color by 10%, you get **64.9827, 0.3466, 0.4494**, and if you desaturate by 10%, it is **68.8086, 0.3323, 0.3919**.

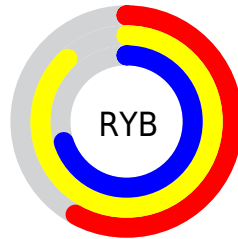
Distribution



Red (76%)

Green (88%)

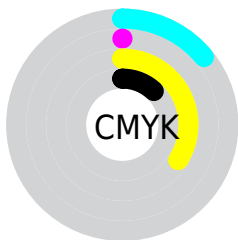
Blue (58%)



Red (58%)

Yellow (88%)

Blue (70%)

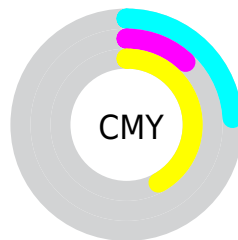


Cyan (14%)

Magenta (0%)

Yellow (34%)

Black (12%)



Cyan (24%)


Magenta (12%)

Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.7869, 0.3399, 0.4205 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 66.7869, 0.3399, 0.4205 by changing the saturation by 10% instead.

 66.7869, 0.3399,
0.4205


 66.7869, 0.3399,
0.4205


449.1859, 0.3284,
0.3760

 48.9115, 0.3422,
0.4311


 114.6150, 0.3362,
0.4047

 34.5493, 0.3447,
0.4444


 145.3365, 0.3346,
0.3986

 23.3159, 0.3476,
0.4615


181.1087, 0.3333,
0.3935

 14.8269, 0.3505,
0.4842

222.3162, 0.3321,
0.3890

 8.6980, 0.3528,
0.5154

269.3432, 0.3310,
0.3851

 4.5447, 0.3531,
0.5618

322.5743, 0.3300,

 1.9827, 0.3523,

0.3817

0.6477

382.3937, 0.3291,
0.3787

0.5974, 0.0115,
0.9885

0.0000, 0.0000,
0.0000

66.7869, 0.3399,
0.4205

66.7869, 0.3399,
0.4205

64.9827, 0.3466,
0.4494

68.8086, 0.3323,
0.3919

63.3779, 0.3520,
0.4774


71.0477, 0.3242,
0.3644

61.9653, 0.3554,
0.5033

73.5151, 0.3159,
0.3386


60.7338, 0.3567,
0.5256


76.2184, 0.3078,
0.3148

 59.6703, 0.3555,
0.5432

 78.8391, 0.3031,
0.2979

 58.7596, 0.3520,
0.5555

 80.4694, 0.3093,
0.2985

 58.2678, 0.3491,
0.5610

 81.7994, 0.3141,
0.2990

Harmonies

Analogous

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



66.7869, 0.3847, 0.4130



66.7869, 0.3399, 0.4205



66.7869, 0.2899, 0.3973

Triad

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



66.7869, 0.3399, 0.4205



66.7869, 0.2223, 0.2651



66.7869, 0.3792, 0.3051

Complementary

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



66.7869, 0.3399, 0.4205



36.1450, 0.2768, 0.2346

Split Complementary

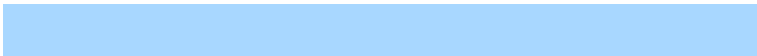
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



66.7869, 0.3301, 0.2724



66.7869, 0.3399, 0.4205



66.7869, 0.2415, 0.2491

Square

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



66.7869, 0.3399, 0.4205



66.7869, 0.2244, 0.3010



66.7869, 0.2797, 0.2524



66.7869, 0.4098, 0.3445

Rectangle

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



66.7869, 0.3399, 0.4205



66.7869, 0.2604, 0.3676



66.7869, 0.2797, 0.2524



66.7869, 0.3641, 0.2931

Sweetspot

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



66.7898, 0.3399, 0.4205



96.5433, 0.3210, 0.3542



49.9860, 0.3802, 0.3649



20.5657, 0.3222, 0.3579



0.0000, 0.0000, 0.0000



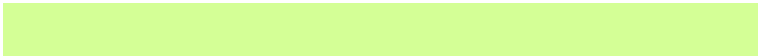
21.4041, 0.3127, 0.3290

Same Dimension

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



66.7898, 0.3399, 0.4205



87.7788, 0.3450, 0.4418



62.4837, 0.3130, 0.4286



15.7360, 0.3205, 0.3526



33.9798, 0.3501, 0.5602



2.4072, 0.3606, 0.5519

Inverse Universe

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



36.1450, 0.2768, 0.2346



40.5333, 0.2669, 0.2118



41.2190, 0.3098, 0.2433



13.5152, 0.3044, 0.3052



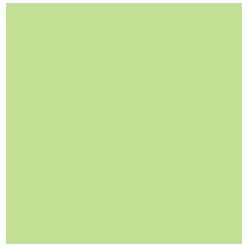
4.5048, 0.1862, 0.0799



0.3636, 0.2036, 0.0895

Previews

White Background



This preview shows how the Yxy color 66.7869, 0.3399, 0.4205 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 66.7869, 0.3399, 0.4205 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 66.7869, 0.3399, 0.4205

Background



This preview shows how black text looks on a background with the Yxy color 66.7869, 0.3399, 0.4205.



This preview shows how white text looks on a background with the Yxy color 66.7869, 0.3399, 0.4205.

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

66.7869, 0.3399, 0.4205

Protanopia

66.5606, 0.3766, 0.4062

Deuteranopia

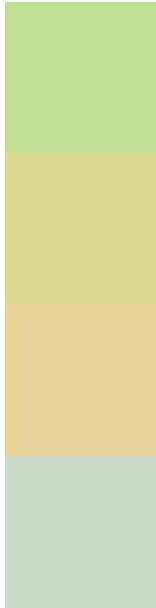
66.3354, 0.3916, 0.3833



Tritanopia

66.8418, 0.2952, 0.3100

Trichromacy



Original Color

66.7869, 0.3399, 0.4205

Protanomaly

66.4218, 0.3625, 0.4113

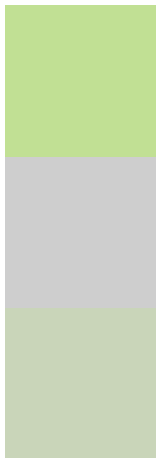
Deuteranomaly

65.8118, 0.3717, 0.3956

Tritanomaly

66.7774, 0.3118, 0.3487

Monochromacy



Original Color

66.7869, 0.3399, 0.4205

Achromatopsia

61.7207, 0.3127, 0.3290

Achromatomaly

63.5088, 0.3231, 0.3622

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.7869, 0.3399, 0.4205 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(193, 224, 148)` looks like.

```
.text, #text, p{  
    color:rgb(193, 224, 148)  
}
```

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(193, 224, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 224, 148) }
```

Border

The CSS property to change the border of an element to Yxy 66.7869, 0.3399, 0.4205 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(193, 224, 148) }
```

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

```
.border{ border-color:rgb(193, 224, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 224, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 224, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 224, 148);  
box-shadow:4px 4px 4px 4px rgb(193, 224,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 66.7869, 0.3399, 0.4205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 224, 148) }
```

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

```
.background{ background-color: rgb(193,  
224, 148) }
```

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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