

Converting Colors

Yxy(64.0999, 0.3393, 0.4489)

Have a look what the booklet for
Yxy(64.0999, 0.3393, 0.4489)
contains.

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Color

Yxy(64.0999, 0.3393, 0.4489)

Conversions

Conversions Part 1

Format	Color
Hex	B0E080
RGB	176, 224, 128
RGB Percent	69%, 88%, 50%
CMY	0.3100, 0.1215, 0.4980
CMYK	0.21, 0.00, 0.43, 0.12
HSL	90°, 61%, 69%
HSV	90°, 43%, 88%
XYZ	48.4498, 64.0999, 30.2436
YIQ	198.7040, 2.2080, -40.0320

Conversions

Conversions Part 2

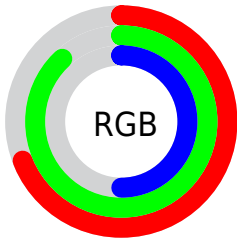
Format	Color
RYB	128, 224, 176
Decimal	11591808
CIELab	84.02, -31.70, 41.95
CIElCh	84, 52.581, 127.075
Yxy	64.0999, 0.3393, 0.4489
Android (android.graphics.Color)	4289781888 (0xFFB0E080)
YUV	198.7040, -34.8571, -19.9114
Hunter-Lab	80.0624, -32.0900, 33.6469

Details

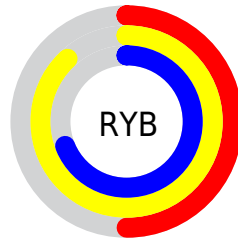
The Yxy color **64.0999, 0.3393, 0.4489** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **30.0613, 0.2726, 0.2096**, and the grayscale version is **57.1361, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.2210, 0.3413, 0.4045**, and **32.9767, 0.3416, 0.4811** is the 20% darker color. If you saturate the color by 10%, you get **62.3232, 0.3433, 0.4786**, and if you desaturate by 10%, it is **66.1204, 0.3340, 0.4188**.

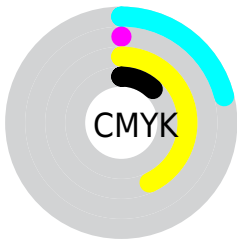
Distribution



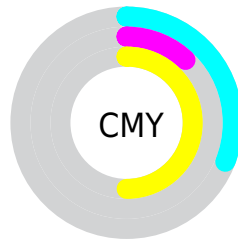
- Red (69%)
- Green (88%)
- Blue (50%)



- Red (50%)
- Yellow (88%)
- Blue (69%)



- Cyan (21%)
- Magenta (0%)
- Yellow (43%)
- Black (12%)





- Cyan (31%)
- Magenta (12%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.0999, 0.3393, 0.4489 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 64.0999, 0.3393, 0.4489 by changing the saturation by 10% instead.


 64.0999, 0.3393,
0.4489


 64.0999, 0.3393,
0.4489


439.5503, 0.3290,
0.3897


 46.7316, 0.3409,
0.4632


 110.7548, 0.3363,
0.4277

 32.8235, 0.3424,
0.4811


 140.8102, 0.3349,
0.4197

 21.9913, 0.3434,
0.5041


 175.8634, 0.3337,
0.4128

 13.8505, 0.3432,
0.5345

216.2988, 0.3326,
0.4069

 8.0168, 0.3395,
0.5756

262.5008, 0.3316,
0.4017

 4.1057, 0.3407,
0.6593

314.8538, 0.3306,

 1.7328, 0.2881,

0.3972

0.7119

373.7421, 0.3298,
0.3932

0.4448, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

64.0999, 0.3393,
0.4489

64.0999, 0.3393,
0.4489

62.3232, 0.3433,
0.4786

66.1204, 0.3340,
0.4188

60.7706, 0.3455,
0.5064


68.3867, 0.3279,
0.3895

59.4325, 0.3457,
0.5308

70.9112, 0.3214,
0.3617

58.2950, 0.3437,
0.5505

73.7031, 0.3146,
0.3360

 57.3415, 0.3395,
0.5646

 76.7708, 0.3080,
0.3124

 56.7557, 0.3357,
0.5717

 79.6357, 0.3061,
0.2982

 81.6947, 0.3137,
0.2989

 81.7987, 0.3141,
0.2990

Harmonies

Analogous

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



64.0999, 0.3988, 0.4391



64.0999, 0.3393, 0.4489



64.0999, 0.2759, 0.4150

Triad

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



64.0999, 0.3393, 0.4489



64.0999, 0.1999, 0.2434



64.0999, 0.4046, 0.3021

Complementary

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



64.0999, 0.3393, 0.4489



30.0613, 0.2726, 0.2096

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.



64.0999, 0.3413, 0.2609



64.0999, 0.3393, 0.4489



64.0999, 0.2259, 0.2272

Square

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



64.0999, 0.3393, 0.4489



64.0999, 0.1994, 0.2853



64.0999, 0.2755, 0.2343



64.0999, 0.4410, 0.3511

Rectangle

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



64.0999, 0.3393, 0.4489



64.0999, 0.2400, 0.3728



64.0999, 0.2755, 0.2343



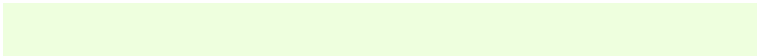
64.0999, 0.3853, 0.2872

Sweetspot

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



64.1027, 0.3393, 0.4489



95.0335, 0.3215, 0.3624



48.4636, 0.3989, 0.3853



20.1738, 0.3230, 0.3684



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.



64.1027, 0.3393, 0.4489



83.9339, 0.3428, 0.4742



59.4675, 0.3065, 0.4619



15.6718, 0.3191, 0.3527



33.0997, 0.3368, 0.5708



2.3475, 0.3485, 0.5615

Inverse Universe

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



30.0613, 0.2726, 0.2096



32.8279, 0.2620, 0.1845



36.6731, 0.3176, 0.2243



13.5786, 0.3059, 0.3053



5.2109, 0.2028, 0.0891



0.4144, 0.2195, 0.0983

Previews

White Background



This preview shows how the Yxy color 64.0999, 0.3393, 0.4489 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 64.0999, 0.3393, 0.4489 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

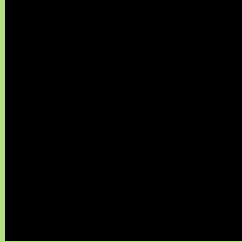
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.0999, 0.3393, 0.4489

Background



This preview shows how black text looks on a background with the Yxy color 64.0999, 0.3393, 0.4489.



This preview shows how white text looks on a background with the Yxy color 64.0999, 0.3393, 0.4489.

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

64.0999, 0.3393, 0.4489

Protanopia

63.6641, 0.3911, 0.4247

Deuteranopia

63.7252, 0.4063, 0.3977



Tritanopia

63.8205, 0.2868, 0.3093

Trichromacy



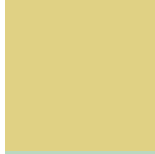
Original Color

64.0999, 0.3393, 0.4489



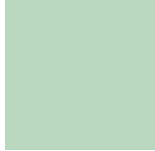
Protanomaly

63.2500, 0.3718, 0.4334



Deuteranomaly

63.1142, 0.3802, 0.4158



Tritanomaly

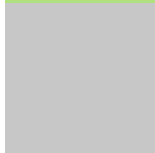
63.3566, 0.3070, 0.3581

Monochromacy



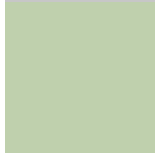
Original Color

64.0999, 0.3393, 0.4489



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

59.2052, 0.3244, 0.3723

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.0999, 0.3393, 0.4489 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(176, 224, 128)` looks like.

```
.text, #text, p{  
    color:rgb(176, 224, 128)  
}
```

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(176, 224, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 224, 128) }
```

Border

The CSS property to change the border of an element to Yxy 64.0999, 0.3393, 0.4489 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(176, 224, 128) }
```

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

```
.border{ border-color:rgb(176, 224, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 224, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 224, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 224, 128); box-shadow:4px 4px 4px 4px rgb(176, 224, 128) }
```


Background

The CSS property to change the background color of an element to Yxy 64.0999, 0.3393, 0.4489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 224, 128) }
```

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

```
.background{ background-color: rgb(176,  
224, 128) }
```

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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