

Converting Colors

Yxy(64.6840, 0.3882, 0.5229)

Have a look what the booklet for
Yxy(64.6840, 0.3882, 0.5229)
contains.

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Color

Yxy(64.7484, 0.3884, 0.5228)

Conversions

Conversions Part 1

Format	Color
Hex	BDE11B
RGB	189, 225, 27
RGB Percent	74%, 88%, 11%
CMY	0.2590, 0.1176, 0.8942
CMYK	0.16, 0.00, 0.88, 0.12
HSL	71°, 79%, 49%
HSV	71°, 88%, 88%
XYZ	48.1031, 64.7484, 10.9978
YIQ	191.6640, 42.1020, -69.2100

Conversions

Conversions Part 2

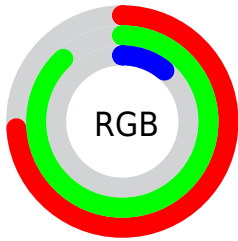
Format	Color
R_{YB}	27, 225, 63
Decimal	12443931
CIE _{Lab}	84.35, -34.10, 79.88
CIE _{LCh}	84, 86.857, 113.118
Yxy	64.7484, 0.3884, 0.5228
Android (android.graphics.Color)	4290634011 (0xFFBDE11B)
YUV	191.6640, -81.1794, -2.3363
Hunter-Lab	80.4664, -34.1083, 48.2230

Details

The Yxy color **64.7484, 0.3884, 0.5228** is a dark color, and the websafe version is hex **99CC00**. The color can be described as middle washed chartreuse. A complement of this color would be **7.2783, 0.1686, 0.0765**, and the grayscale version is **52.9678, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5228, 0.3956, 0.4754**, and **33.5747, 0.3795, 0.5369** is the 20% darker color. If you saturate the color by 10%, you get **64.1657, 0.3874, 0.5297**, and if you desaturate by 10%, it is **65.4293, 0.3870, 0.5115**.

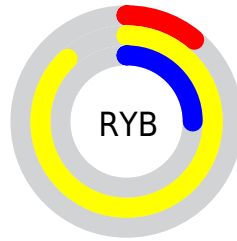
Distribution



Red (74%)

Green (88%)

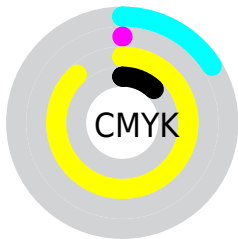
Blue (11%)



Red (11%)

Yellow (88%)

Blue (25%)

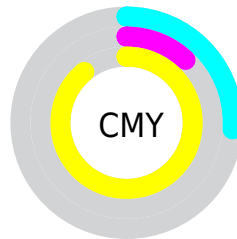


Cyan (16%)

Magenta (0%)

Yellow (88%)

Black (12%)



Cyan (26%)

Magenta (12%)

Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.7484, 0.3884, 0.5228 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 64.7484, 0.3884, 0.5228 by changing the saturation by 10% instead.


 64.7484, 0.3884,
0.5228

 64.7484, 0.3884,
0.5228

441.8873, 0.3625,
0.4332


 47.2571, 0.3907,
0.5411

 111.6881, 0.3821,
0.4930

 33.2389, 0.3915,
0.5621


 141.9052, 0.3788,
0.4809


 22.3096, 0.3891,
0.5855


 177.1331, 0.3757,
0.4704

 14.0845, 0.3841,
0.6159

 217.7561, 0.3726,
0.4611

 8.1795, 0.3627,
0.6373

 264.1586, 0.3698,
0.4529

 4.2100, 0.3306,
0.6694

 316.7251, 0.3672,

 1.7917, 0.2745,

0.4456

0.7255

375.8398, 0.3648,
0.4391

■ 0.4820, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 64.7484, 0.3884,
0.5228

■ 64.7484, 0.3884,
0.5228

■ 64.1657, 0.3874,
0.5297

■ 65.4293, 0.3870,
0.5115

■ 64.0547, 0.3871,
0.5308

■ 66.2172, 0.3830,
0.4956

■ 67.1276, 0.3765,
0.4757

■ 68.1710, 0.3678,
0.4525

69.3569, 0.3575,
0.4272

70.6937, 0.3462,
0.4009

72.1891, 0.3342,
0.3744

73.8504, 0.3222,
0.3487

75.6843, 0.3104,
0.3242

Harmonies

Analogous

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



64.7484, 0.4730, 0.4634



64.7484, 0.3884, 0.5228



64.7484, 0.2907, 0.5172

Triad

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



64.7484, 0.3884, 0.5228



64.7484, 0.1392, 0.2153



64.7484, 0.4165, 0.2540

Complementary

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



64.7484, 0.3884, 0.5228



7.2783, 0.1686, 0.0765

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.



64.7484, 0.3042, 0.2047



64.7484, 0.3884, 0.5228



64.7484, 0.1593, 0.1803

Square

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



64.7484, 0.3884, 0.5228



64.7484, 0.1523, 0.2956



64.7484, 0.2134, 0.1788



64.7484, 0.5027, 0.3181

Rectangle

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



64.7484, 0.3884, 0.5228



64.7484, 0.2299, 0.4588



64.7484, 0.2134, 0.1788



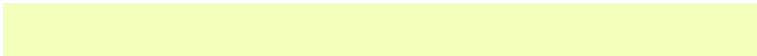
64.7484, 0.3791, 0.2354

Sweetspot

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



64.7513, 0.3884, 0.5228



94.2236, 0.3440, 0.3960



19.3199, 0.5952, 0.3499



20.0273, 0.3481, 0.4053



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.



64.7513, 0.3884, 0.5228



85.0143, 0.3869, 0.5310



56.2638, 0.3224, 0.5733



15.8968, 0.3239, 0.3524



36.9533, 0.3876, 0.5304



2.5946, 0.3928, 0.5263

Inverse Universe

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



7.2783, 0.1686, 0.0765



7.8106, 0.1572, 0.0640



13.5919, 0.2476, 0.1190



13.3627, 0.3009, 0.3050



3.4401, 0.1586, 0.0647



0.2740, 0.1723, 0.0723

Previews

White Background



This preview shows how the Yxy color 64.7484, 0.3884, 0.5228 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 64.7484, 0.3884, 0.5228 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 64.7484, 0.3884, 0.5228

Background



This preview shows how black text looks on a background with the Yxy color 64.7484, 0.3884, 0.5228.



This preview shows how white text looks on a background with the Yxy color 64.7484, 0.3884, 0.5228.

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

64.7484, 0.3884, 0.5228

Protanopia

64.1556, 0.4391, 0.4847

Deuteranopia

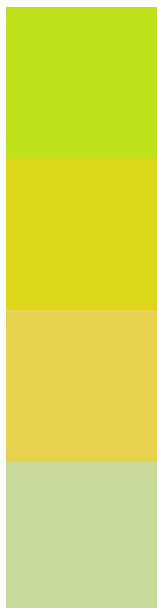
64.0532, 0.4282, 0.4241



Tritanopia

64.3573, 0.2997, 0.3098

Trichromacy



Original Color

64.7484, 0.3884, 0.5228

Protanomaly

63.8825, 0.4210, 0.4983

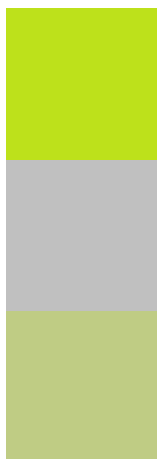
Deuteranomaly

63.6179, 0.4178, 0.4636

Tritanomaly

63.2133, 0.3434, 0.4024

Monochromacy



Original Color

64.7484, 0.3884, 0.5228

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

55.9280, 0.3544, 0.4195

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.7484, 0.3884, 0.5228 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(189, 225, 27)` looks like.

```
.text, #text, p{  
    color:rgb(189, 225, 27)  
}
```

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(189, 225, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 225, 27) }
```

Border

The CSS property to change the border of an element to Yxy 64.7484, 0.3884, 0.5228 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(189, 225, 27) }
```

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

```
.border{ border-color:rgb(189, 225, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 225, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 225, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 225, 27);  
box-shadow:4px 4px 4px 4px rgb(189, 225,  
27) }
```


Background

The CSS property to change the background color of an element to Yxy 64.7484, 0.3884, 0.5228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 225, 27) }
```

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

```
.background{ background-color: rgb(189,  
225, 27) }
```

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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