

Converting Colors

$Yxy(63.7919, 0.3679, 0.4811)$

Have a look what the booklet for
Yxy(63.7919, 0.3679, 0.4811)
contains.

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Color

Yxy(63.7242, 0.3682, 0.4804)

Conversions

Conversions Part 1

Format	Color
Hex	BCDE5D
RGB	188, 222, 93
RGB Percent	74%, 87%, 36%
CMY	0.2626, 0.1294, 0.6353
CMYK	0.15, 0.00, 0.58, 0.13
HSL	76°, 66%, 62%
HSV	76°, 58%, 87%
XYZ	48.8411, 63.7242, 20.0829
YIQ	197.1280, 21.1450, -47.3270

Conversions

Conversions Part 2

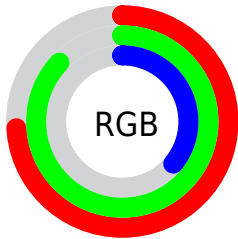
Format	Color
RYB	93, 222, 127
Decimal	12377693
CIELab	83.82, -29.78, 58.26
CIELCh	84, 65.432, 117.076
Yxy	63.7242, 0.3682, 0.4804
Android (android.graphics.Color)	4290567773 (0xFFBCDE5D)
YUV	197.1280, -51.3351, -8.0053
Hunter-Lab	79.8274, -30.4858, 40.9631

Details

The Yxy color **63.7242, 0.3682, 0.4804** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **17.6148, 0.2255, 0.1537**, and the grayscale version is **56.2273, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.2194, 0.3699, 0.4363**, and **32.6765, 0.3748, 0.5174** is the 20% darker color. If you saturate the color by 10%, you get **62.6613, 0.3732, 0.5020**, and if you desaturate by 10%, it is **64.9371, 0.3610, 0.4557**.

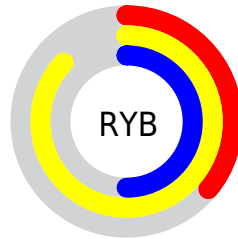
Distribution



Red (74%)

Green (87%)

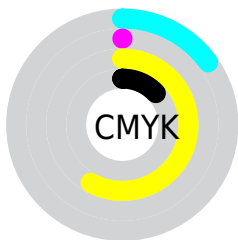
Blue (36%)



Red (36%)

Yellow (87%)

Blue (50%)

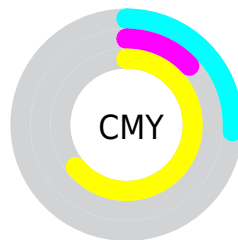


Cyan (15%)

Magenta (0%)

Yellow (58%)

Black (13%)



Cyan (26%)

Magenta (13%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.7242, 0.3682, 0.4804 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 63.7242, 0.3682, 0.4804 by changing the saturation by 10% instead.


 63.7242, 0.3682,
0.4804


 63.7242, 0.3682,
0.4804

438.1930, 0.3464,
0.4073


 46.4273, 0.3716,
0.4971


 110.2136, 0.3618,
0.4549

 32.5832, 0.3747,
0.5173


 140.1750, 0.3589,
0.4450

 21.8073, 0.3769,
0.5420


 175.1267, 0.3563,
0.4364

 13.7154, 0.3764,
0.5723

 215.4530, 0.3539,
0.4291

 7.9230, 0.3777,
0.6220

261.5384, 0.3518,
0.4226

 4.0457, 0.3492,
0.6508

313.7673, 0.3498,

 1.6992, 0.2997,

0.4169

0.7003

372.5240, 0.3480,
0.4118

0.4231, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

63.7242, 0.3682,
0.4804

63.7242, 0.3682,
0.4804

62.6613, 0.3732,
0.5020

64.9371, 0.3610,
0.4557

61.7293, 0.3758,
0.5196

66.3006, 0.3523,
0.4292

60.9186, 0.3758,
0.5325

67.8262, 0.3424,
0.4020


60.2117, 0.3735,
0.5407

69.5215, 0.3319,
0.3750


 60.0845, 0.3729,
0.5421

 71.3936, 0.3213,
0.3490

 73.4494, 0.3107,
0.3245

 75.6951, 0.3006,
0.3017

 77.0903, 0.3005,
0.2956

 78.1008, 0.3044,
0.2960

Harmonies

Analogous

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



63.7242, 0.4357, 0.4479



63.7242, 0.3682, 0.4804



63.7242, 0.2901, 0.4598

Triad

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



63.7242, 0.3682, 0.4804



63.7242, 0.1733, 0.2362



63.7242, 0.4028, 0.2773

Complementary

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



63.7242, 0.3682, 0.4804



17.6148, 0.2255, 0.1537

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.



63.7242, 0.3187, 0.2339



63.7242, 0.3682, 0.4804



63.7242, 0.1939, 0.2089

Square

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



63.7242, 0.3682, 0.4804



63.7242, 0.1822, 0.2966



63.7242, 0.2434, 0.2095



63.7242, 0.4627, 0.3326

Rectangle

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



63.7242, 0.3682, 0.4804



63.7242, 0.2426, 0.4130



63.7242, 0.2434, 0.2095



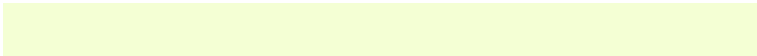
63.7242, 0.3757, 0.2611

Sweetspot

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



63.7271, 0.3682, 0.4804



95.4143, 0.3309, 0.3724



31.0521, 0.4655, 0.3662



20.3169, 0.3330, 0.3778



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.



63.7271, 0.3682, 0.4804



85.4569, 0.3741, 0.5067



57.4117, 0.3224, 0.5058



15.8385, 0.3227, 0.3524



35.7460, 0.3736, 0.5415



2.5204, 0.3809, 0.5357

Inverse Universe

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



17.6148, 0.2255, 0.1537



16.7069, 0.2037, 0.1177



24.0193, 0.2856, 0.1792



13.4170, 0.3021, 0.3050



3.7214, 0.1662, 0.0689



0.3009, 0.1821, 0.0777

Previews

White Background



This preview shows how the Yxy color 63.7242, 0.3682, 0.4804 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 63.7242, 0.3682, 0.4804 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 63.7242, 0.3682, 0.4804

Background



This preview shows how black text looks on a background with the Yxy color 63.7242, 0.3682, 0.4804.



This preview shows how white text looks on a background with the Yxy color 63.7242, 0.3682, 0.4804.

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

63.7242, 0.3682, 0.4804

Protanopia

63.4780, 0.4134, 0.4534

Deuteranopia

63.1896, 0.4276, 0.4197



Tritanopia

63.2445, 0.2975, 0.3096

Trichromacy



Original Color

63.7242, 0.3682, 0.4804

Protanomaly

63.4302, 0.3966, 0.4640

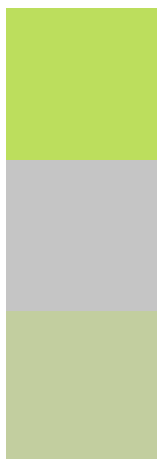
Deuteranomaly

62.5938, 0.4059, 0.4402

Tritanomaly

62.7686, 0.3263, 0.3723

Monochromacy



Original Color

63.7242, 0.3682, 0.4804

Achromatopsia

55.8340, 0.3127, 0.3290

Achromatomaly

58.1152, 0.3371, 0.3873

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.7242, 0.3682, 0.4804 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(188, 222, 93)` looks like.

```
.text, #text, p{  
    color:rgb(188, 222, 93)  
}
```

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(188, 222, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 222, 93) }
```

Border

The CSS property to change the border of an element to Yxy 63.7242, 0.3682, 0.4804 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(188, 222, 93) }
```

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

```
.border{ border-color:rgb(188, 222, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 222, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 222, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 222, 93);  
box-shadow:4px 4px 4px 4px rgb(188, 222,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 63.7242, 0.3682, 0.4804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 222, 93) }
```

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

```
.background{ background-color: rgb(188,  
222, 93) }
```

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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