

Converting Colors

$Yxy(63.3379, 0.3758, 0.4840)$

Have a look what the booklet for
Yxy(63.3379, 0.3758, 0.4840)
contains.

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Color

Yxy(63.0648, 0.3757, 0.4834)

Conversions

Conversions Part 1

Format	Color
Hex	C0DC56
RGB	192, 220, 86
RGB Percent	75%, 86%, 34%
CMY	0.2470, 0.1373, 0.6629
CMYK	0.13, 0.00, 0.61, 0.14
HSL	73°, 66%, 60%
HSV	73°, 61%, 86%
XYZ	49.0142, 63.0648, 18.3819
YIQ	196.3520, 26.3260, -47.6100

Conversions

Conversions Part 2

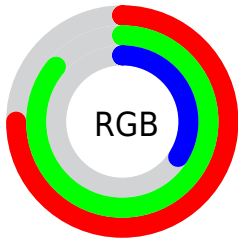
Format	Color
RYB	86, 220, 114
Decimal	12639318
CIELab	83.48, -27.82, 60.97
CIElCh	83, 67.021, 114.526
Yxy	63.0648, 0.3757, 0.4834
Android (android.graphics.Color)	4290829398 (0xFFC0DC56)
YUV	196.3520, -54.4035, -3.8167
Hunter-Lab	79.4133, -28.8026, 41.8654

Details

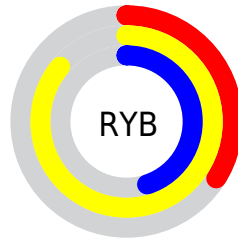
The Yxy color **63.0648, 0.3757, 0.4834** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted yellow. A complement of this color would be **15.3872, 0.2145, 0.1424**, and the grayscale version is **55.7467, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9523, 0.3765, 0.4403**, and **32.1403, 0.3827, 0.5202** is the 20% darker color. If you saturate the color by 10%, you get **62.1760, 0.3810, 0.5028**, and if you desaturate by 10%, it is **64.0871, 0.3681, 0.4605**.

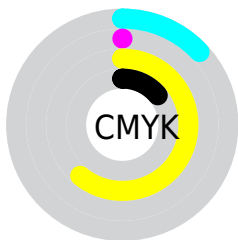
Distribution



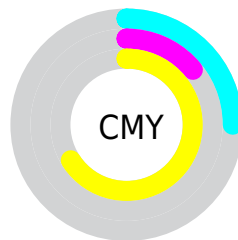
- Red (75%)
- Green (86%)
- Blue (34%)



- Red (34%)
- Yellow (86%)
- Blue (45%)



- Cyan (13%)
- Magenta (0%)
- Yellow (61%)
- Black (14%)





- Cyan (25%)
- Magenta (14%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.0648, 0.3757, 0.4834 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 63.0648, 0.3757, 0.4834 by changing the saturation by 10% instead.


 63.0648, 0.3757,
0.4834


 63.0648, 0.3757,
0.4834


435.8046, 0.3507,
0.4094


 45.8936, 0.3796,
0.5000

 109.2630, 0.3683,
0.4578


 32.1619, 0.3833,
0.5199


 139.0588, 0.3650,
0.4477

 21.4852, 0.3859,
0.5440


 173.8316, 0.3621,
0.4391

 13.4791, 0.3857,
0.5728

 213.9658, 0.3593,
0.4316

 7.7593, 0.3846,
0.6154

259.8459, 0.3569,
0.4250

 3.9413, 0.3575,
0.6425

311.8561, 0.3546,

 1.6408, 0.3105,

0.4192

0.6895

370.3809, 0.3526,
0.4140

0.3849, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

63.0648, 0.3757,
0.4834

63.0648, 0.3757,
0.4834

62.1760, 0.3810,
0.5028

64.0871, 0.3681,
0.4605

61.4016, 0.3838,
0.5180


65.2435, 0.3587,
0.4353


60.7319, 0.3841,
0.5285

66.5452, 0.3481,
0.4089


60.1956, 0.3824,
0.5345


67.9999, 0.3368,
0.3822

 69.6144, 0.3252,
0.3561

 71.3953, 0.3138,
0.3312

 73.3487, 0.3027,
0.3079

 75.0247, 0.2964,
0.2931

 75.7889, 0.2995,
0.2934

Harmonies

Analogous

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



63.0648, 0.4432, 0.4460



63.0648, 0.3757, 0.4834



63.0648, 0.2959, 0.4684

Triad

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



63.0648, 0.3757, 0.4834



63.0648, 0.1698, 0.2376



63.0648, 0.3984, 0.2716

Complementary

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



63.0648, 0.3757, 0.4834



15.3872, 0.2145, 0.1424

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.



63.0648, 0.3114, 0.2287



63.0648, 0.3757, 0.4834



63.0648, 0.1883, 0.2072

Square

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



63.0648, 0.3757, 0.4834



63.0648, 0.1813, 0.3022



63.0648, 0.2362, 0.2058



63.0648, 0.4634, 0.3272

Rectangle

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



63.0648, 0.3757, 0.4834



63.0648, 0.2463, 0.4228



63.0648, 0.2362, 0.2058



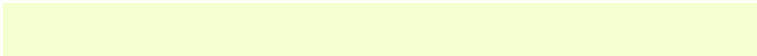
63.0648, 0.3699, 0.2555

Sweetspot

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



63.0676, 0.3757, 0.4834



95.6167, 0.3336, 0.3749



27.6435, 0.4821, 0.3595



20.3295, 0.3370, 0.3826



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.



63.0676, 0.3757, 0.4834



86.5698, 0.3820, 0.5073



56.3061, 0.3264, 0.5120



15.1196, 0.3235, 0.3523



35.3771, 0.3830, 0.5341



2.3271, 0.3893, 0.5291

Inverse Universe

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



15.3872, 0.2145, 0.1424



14.6271, 0.1921, 0.1068



21.4924, 0.2767, 0.1699



12.7475, 0.3013, 0.3051



3.4111, 0.1609, 0.0660



0.2583, 0.1765, 0.0746

Previews

White Background



This preview shows how the Yxy color 63.0648, 0.3757, 0.4834 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 63.0648, 0.3757, 0.4834 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 63.0648, 0.3757, 0.4834

Background



This preview shows how black text looks on a background with the Yxy color 63.0648, 0.3757, 0.4834.



This preview shows how white text looks on a background with the Yxy color 63.0648, 0.3757, 0.4834.

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

63.0648, 0.3757, 0.4834

Protanopia

62.7099, 0.4168, 0.4583

Deuteranopia

62.5878, 0.4327, 0.4246



Tritanopia

62.6819, 0.3024, 0.3108

Trichromacy



Original Color

63.0648, 0.3757, 0.4834

Protanomaly

62.4632, 0.4021, 0.4676

Deuteranomaly

62.1429, 0.4115, 0.4450

Tritanomaly

62.1622, 0.3325, 0.3745

Monochromacy



Original Color

63.0648, 0.3757, 0.4834

Achromatopsia

55.2011, 0.3127, 0.3290

Achromatomaly

57.6650, 0.3403, 0.3898

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.0648, 0.3757, 0.4834 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(192, 220, 86)` looks like.

```
.text, #text, p{  
    color:rgb(192, 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(192, 220, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 220, 86) }
```

Border

The CSS property to change the border of an element to Yxy 63.0648, 0.3757, 0.4834 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(192, 220, 86) }
```

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

```
.border{ border-color:rgb(192, 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(192, 220, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 220, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 220, 86);  
box-shadow:4px 4px 4px 4px rgb(192, 220,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 63.0648, 0.3757, 0.4834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 220, 86) }
```

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

```
.background{ background-color: rgb(192,  
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](#).

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