

Converting Colors

$Yxy(65.2891, 0.3651, 0.4565)$

Have a look what the booklet for
Yxy(65.2891, 0.3651, 0.4565)
contains.

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Color

Yxy(65.3051, 0.3648, 0.4570)

Conversions

Conversions Part 1

Format	Color
Hex	C5DE71
RGB	197, 222, 113
RGB Percent	77%, 87%, 44%
CMY	0.2274, 0.1294, 0.5571
CMYK	0.11, 0.00, 0.49, 0.13
HSL	74°, 62%, 66%
HSV	74°, 49%, 87%
XYZ	52.1298, 65.3051, 25.4647
YIQ	202.0990, 20.0890, -39.1990

Conversions

Conversions Part 2

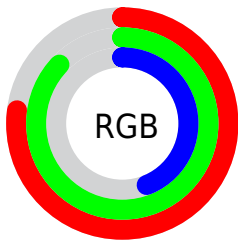
Format	Color
RYB	113, 222, 138
Decimal	12967537
CIELab	84.64, -24.52, 50.30
CIELCh	85, 55.954, 115.988
Yxy	65.3051, 0.3648, 0.4570
Android (android.graphics.Color)	4291157617 (0xFFC5DE71)
YUV	202.0990, -43.9258, -4.4718
Hunter-Lab	80.8116, -26.2738, 37.8851

Details

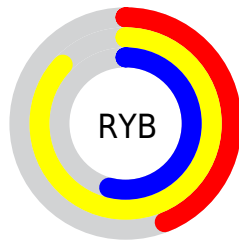
The Yxy color **65.3051, 0.3648, 0.4570** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **22.4704, 0.2385, 0.1813**, and the grayscale version is **59.3986, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5700, 0.3649, 0.4153**, and **33.6371, 0.3725, 0.4886** is the 20% darker color. If you saturate the color by 10%, you get **64.1928, 0.3724, 0.4808**, and if you desaturate by 10%, it is **66.5686, 0.3555, 0.4312**.

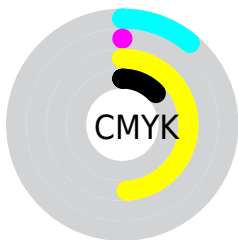
Distribution



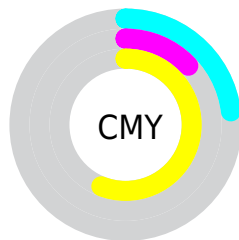
- Red (77%)
- Green (87%)
- Blue (44%)



- Red (44%)
- Yellow (87%)
- Blue (54%)



- Cyan (11%)
- Magenta (0%)
- Yellow (49%)
- Black (13%)





- Cyan (23%)
- Magenta (13%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.3051, 0.3648, 0.4570 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 65.3051, 0.3648, 0.4570 by changing the saturation by 10% instead.


 65.3051, 0.3648,
0.4570

 65.3051, 0.3648,
0.4570


443.8876, 0.3431,
0.3953


 47.7085, 0.3687,
0.4712

 112.4884, 0.3580,
0.4354

 33.5961, 0.3730,
0.4887


 142.8439, 0.3551,
0.4270

 22.5835, 0.3771,
0.5104


 178.2211, 0.3526,
0.4198

 14.2863, 0.3804,
0.5378

219.0045, 0.3503,
0.4136

 8.3200, 0.3812,
0.5734

265.5785, 0.3482,
0.4082

 4.3004, 0.3768,
0.6232

318.3274, 0.3463,

 1.8430, 0.3392,

0.4034

0.6608

377.6356, 0.3446,
0.3991

0.5138, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

65.3051, 0.3648,
0.4570

65.3051, 0.3648,
0.4570

64.1928, 0.3724,
0.4808

66.5686, 0.3555,
0.4312

63.2138, 0.3778,
0.5013


67.9831, 0.3451,
0.4044

62.3603, 0.3807,
0.5177


69.5590, 0.3341,
0.3776

61.6199, 0.3810,
0.5294

71.3035, 0.3228,
0.3516

 60.9729, 0.3791,
0.5368


 73.2233, 0.3118,
0.3269

 60.9183, 0.3789,
0.5374

 75.3245, 0.3011,
0.3039

 76.7232, 0.2990,
0.2954

 77.5896, 0.3024,
0.2958

 78.4809, 0.3059,
0.2961

Harmonies

Analogous

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



65.3051, 0.4216, 0.4317



65.3051, 0.3648, 0.4570



65.3051, 0.2974, 0.4393

Triad

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



65.3051, 0.3648, 0.4570



65.3051, 0.1910, 0.2516



65.3051, 0.3870, 0.2832

Complementary

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



65.3051, 0.3648, 0.4570



22.4704, 0.2385, 0.1813

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.



65.3051, 0.3160, 0.2451



65.3051, 0.3648, 0.4570



65.3051, 0.2084, 0.2253

Square

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



65.3051, 0.3648, 0.4570



65.3051, 0.2005, 0.3053



65.3051, 0.2515, 0.2243



65.3051, 0.4388, 0.3322

Rectangle

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



65.3051, 0.3648, 0.4570



65.3051, 0.2556, 0.4017



65.3051, 0.2515, 0.2243



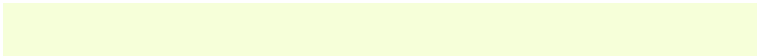
65.3051, 0.3641, 0.2690

Sweetspot

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



65.3080, 0.3648, 0.4570



96.1527, 0.3296, 0.3670



34.4926, 0.4350, 0.3573



20.4742, 0.3320, 0.3726



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.



65.3080, 0.3648, 0.4570



87.8303, 0.3726, 0.4815



59.3504, 0.3250, 0.4754



15.8630, 0.3232, 0.3524



36.2357, 0.3795, 0.5369



2.5508, 0.3859, 0.5318

Inverse Universe

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



22.4704, 0.2385, 0.1813



22.7218, 0.2194, 0.1479



28.1629, 0.2876, 0.1995



13.3940, 0.3016, 0.3050



3.5898, 0.1627, 0.0670



0.2890, 0.1778, 0.0753

Previews

White Background



This preview shows how the Yxy color 65.3051, 0.3648, 0.4570 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 65.3051, 0.3648, 0.4570 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 65.3051, 0.3648, 0.4570

Background



This preview shows how black text looks on a background with the Yxy color 65.3051, 0.3648, 0.4570.



This preview shows how white text looks on a background with the Yxy color 65.3051, 0.3648, 0.4570.

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

65.3051, 0.3648, 0.4570

Protanopia

65.0163, 0.4016, 0.4377

Deuteranopia

65.0074, 0.4135, 0.4065



Tritanopia

64.9408, 0.3026, 0.3100

Trichromacy



Original Color

65.3051, 0.3648, 0.4570

Protanomaly

64.9423, 0.3882, 0.4452

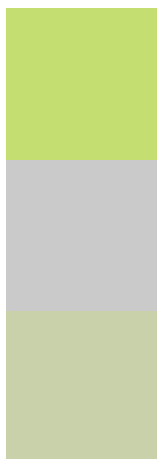
Deuteranomaly

64.4738, 0.3959, 0.4241

Tritanomaly

64.7177, 0.3267, 0.3630

Monochromacy



Original Color

65.3051, 0.3648, 0.4570

Achromatopsia

59.0619, 0.3127, 0.3290

Achromatomaly

60.7826, 0.3334, 0.3762

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.3051, 0.3648, 0.4570 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(197, 222, 113)` looks like.

```
.text, #text, p{  
    color:rgb(197, 222, 113)  
}
```

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(197, 222, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 222, 113) }
```

Border

The CSS property to change the border of an element to Yxy 65.3051, 0.3648, 0.4570 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(197, 222, 113) }
```

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

```
.border{ border-color:rgb(197, 222, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 222, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 222, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 222, 113);  
box-shadow:4px 4px 4px 4px rgb(197, 222,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 65.3051, 0.3648, 0.4570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 222, 113) }
```

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

```
.background{ background-color: rgb(197,  
222, 113) }
```

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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