

Converting Colors

$Y_{xy}(65.2770, 0.3554, 0.4252)$

Have a look what the booklet for
Yxy(65.2770, 0.3554, 0.4252)
contains.

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Color

Yxy(65.1945, 0.3554, 0.4247)

Conversions

Conversions Part 1

Format	Color
Hex	CBDB8A
RGB	203, 219, 138
RGB Percent	80%, 86%, 54%
CMY	0.2038, 0.1412, 0.4588
CMYK	0.07, 0.00, 0.37, 0.14
HSL	72°, 53%, 70%
HSV	72°, 37%, 86%
XYZ	54.5565, 65.1945, 33.7562
YIQ	204.9820, 16.4650, -28.5830

Conversions

Conversions Part 2

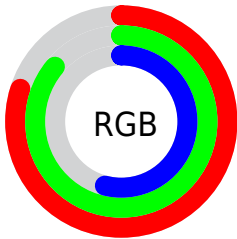
Format	Color
R _Y B	138, 219, 154
Decimal	13360010
CIE Lab	84.58, -18.02, 38.06
CIE LCh	85, 42.109, 115.334
Yxy	65.1945, 0.3554, 0.4247
Android (android.graphics.Color)	4291550090 (0xFFCBDB8A)
YUV	204.9820, -33.0221, -1.7382
Hunter-Lab	80.7431, -20.6917, 31.7328

Details

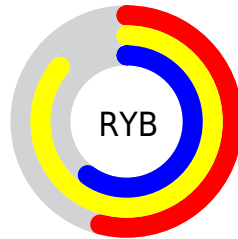
The Yxy color **65.1945, 0.3554, 0.4247** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **30.1605, 0.2581, 0.2212**, and the grayscale version is **61.2504, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5858, 0.3502, 0.3910**, and **33.5349, 0.3638, 0.4483** is the 20% darker color. If you saturate the color by 10%, you get **64.0282, 0.3655, 0.4503**, and if you desaturate by 10%, it is **66.5113, 0.3442, 0.3982**.

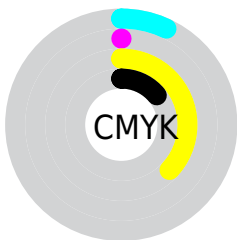
Distribution



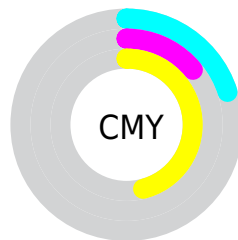
- Red (80%)
- Green (86%)
- Blue (54%)



- Red (54%)
- Yellow (86%)
- Blue (60%)



- Cyan (7%)
- Magenta (0%)
- Yellow (37%)
- Black (14%)





- Cyan (20%)
- Magenta (14%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.1945, 0.3554, 0.4247 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 65.1945, 0.3554, 0.4247 by changing the saturation by 10% instead.


 65.1945, 0.3554,
0.4247

 65.1945, 0.3554,
0.4247


443.4906, 0.3366,
0.3785


 47.6188, 0.3593,
0.4356


 112.3294, 0.3492,
0.4084

 33.5251, 0.3638,
0.4491


 142.6575, 0.3467,
0.4021

 22.5290, 0.3690,
0.4662


 178.0051, 0.3445,
0.3968

 14.2461, 0.3748,
0.4886

218.7567, 0.3425,
0.3921

 8.2921, 0.3804,
0.5185

265.2966, 0.3408,
0.3881

 4.2824, 0.3905,
0.5693

318.0093, 0.3392,

 1.8327, 0.3795,


0.3845


0.6205


377.2792, 0.3379,
0.3813


 0.5075, 0.0772,
0.9228


 0.0000, 0.0000,
0.0000

 65.1945, 0.3554,
0.4247


 65.1945, 0.3554,
0.4247


 64.0282, 0.3655,
0.4503


 66.5113, 0.3442,
0.3982

 62.9960, 0.3741,
0.4740

 67.9772, 0.3326,
0.3718


 62.0918, 0.3806,
0.4947


 69.6017, 0.3208,
0.3461


 61.3061, 0.3846,
0.5114

 71.3912, 0.3093,
0.3218

 60.6271, 0.3861,
0.5235

 73.3515, 0.2982,
0.2992


 60.0401, 0.3851,
0.5311

 74.5253, 0.2965,
0.2920

 59.8732, 0.3845,
0.5329

 75.2434, 0.2994,
0.2923

 75.9793, 0.3023,
0.2927

 76.7331, 0.3053,
0.2930

Harmonies

Analogous

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



65.1945, 0.3976, 0.4086



65.1945, 0.3554, 0.4247



65.1945, 0.3038, 0.4103

Triad

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



65.1945, 0.3554, 0.4247



65.1945, 0.2177, 0.2716



65.1945, 0.3679, 0.2934

Complementary

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



65.1945, 0.3554, 0.4247



30.1605, 0.2581, 0.2212

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.



65.1945, 0.3148, 0.2630



65.1945, 0.3554, 0.4247



65.1945, 0.2312, 0.2491

Square

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



65.1945, 0.3554, 0.4247



65.1945, 0.2264, 0.3139



65.1945, 0.2653, 0.2470



65.1945, 0.4069, 0.3326

Rectangle

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



65.1945, 0.3554, 0.4247



65.1945, 0.2712, 0.3836



65.1945, 0.2653, 0.2470



65.1945, 0.3509, 0.2820

Sweetspot

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



65.1974, 0.3554, 0.4247



97.2904, 0.3256, 0.3565



39.6302, 0.3958, 0.3473



20.7569, 0.3272, 0.3600



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.



65.1974, 0.3554, 0.4247



90.8038, 0.3630, 0.4438



60.3509, 0.3253, 0.4347



15.1276, 0.3237, 0.3523



35.5508, 0.3851, 0.5325



2.3369, 0.3909, 0.5278

Inverse Universe

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



30.1605, 0.2581, 0.2212



34.7936, 0.2446, 0.1964



34.6775, 0.2930, 0.2311



12.7400, 0.3011, 0.3050



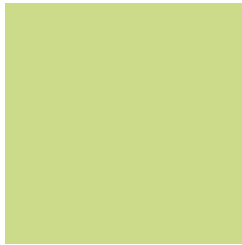
3.3754, 0.1599, 0.0654



0.2548, 0.1751, 0.0738

Previews

White Background



This preview shows how the Yxy color 65.1945, 0.3554, 0.4247 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 65.1945, 0.3554, 0.4247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

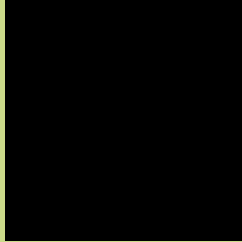
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

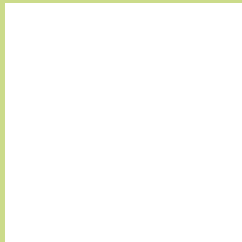
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.1945, 0.3554, 0.4247

Background



This preview shows how black text looks on a background with the Yxy color 65.1945, 0.3554, 0.4247.



This preview shows how white text looks on a background with the Yxy color 65.1945, 0.3554, 0.4247.

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

65.1945, 0.3554, 0.4247

Protanopia

64.9958, 0.3814, 0.4132

Deuteranopia

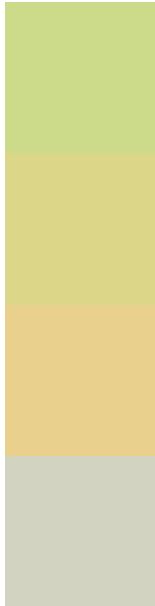
64.8895, 0.3993, 0.3917



Tritanopia

64.8441, 0.3055, 0.3101

Trichromacy



Original Color

65.1945, 0.3554, 0.4247

Protanomaly

65.0864, 0.3721, 0.4175

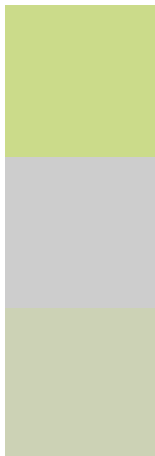
Deuteranomaly

64.5273, 0.3825, 0.4027

Tritanomaly

64.6389, 0.3244, 0.3510

Monochromacy



Original Color

65.1945, 0.3554, 0.4247

Achromatopsia

61.0496, 0.3127, 0.3290

Achromatomaly

62.2668, 0.3286, 0.3634

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.1945, 0.3554, 0.4247 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(203, 219, 138)` looks like.

```
.text, #text, p{  
    color:rgb(203, 219, 138)  
}
```

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(203, 219, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 219, 138) }
```

Border

The CSS property to change the border of an element to Yxy 65.1945, 0.3554, 0.4247 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(203, 219, 138) }
```

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

```
.border{ border-color:rgb(203, 219, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 219, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 219, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 219, 138);  
box-shadow:4px 4px 4px 4px rgb(203, 219,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 65.1945, 0.3554, 0.4247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 219, 138) }
```

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

```
.background{ background-color: rgb(203,  
219, 138) }
```

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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