

Converting Colors

$Yxy(65.3914, 0.3858, 0.4793)$

Have a look what the booklet for
Yxy(65.3914, 0.3858, 0.4793)
contains.

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Color

Yxy(65.3479, 0.3860, 0.4789)

Conversions

Conversions Part 1

Format	Color
Hex	CDDD55
RGB	205, 221, 85
RGB Percent	80%, 87%, 33%
CMY	0.1961, 0.1333, 0.6666
CMYK	0.07, 0.00, 0.62, 0.13
HSL	67°, 67%, 60%
HSV	67°, 62%, 87%
XYZ	52.6713, 65.3479, 18.4350
YIQ	200.7120, 34.1200, -45.6880

Conversions

Conversions Part 2

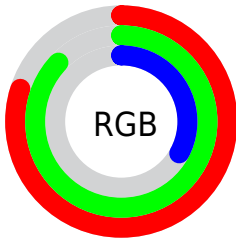
Format	Color
R_{YB}	85, 221, 101
Decimal	13491541
CIE _{Lab}	84.66, -23.20, 62.91
CIE _{LCh}	85, 67.055, 110.242
Y _{xy}	65.3479, 0.3860, 0.4789
Android (android.graphics.Color)	4291681621 (0xFFCDDD55)
YUV	200.7120, -57.0460, 3.7606
Hunter-Lab	80.8380, -25.1621, 43.0657

Details

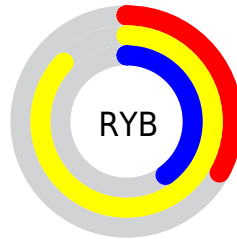
The Yxy color **65.3479, 0.3860, 0.4789** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **14.4900, 0.2040, 0.1364**, and the grayscale version is **58.5668, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.6734, 0.3798, 0.4400**, and **33.6343, 0.3964, 0.5125** is the 20% darker color. If you saturate the color by 10%, you get **64.6855, 0.3928, 0.4961**, and if you desaturate by 10%, it is **66.1321, 0.3769, 0.4580**.

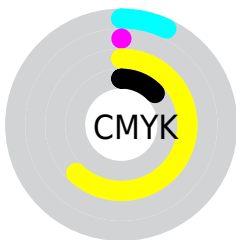
Distribution



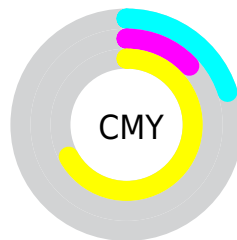
- Red (80%)
- Green (87%)
- Blue (33%)



- Red (33%)
- Yellow (87%)
- Blue (40%)



- Cyan (7%)
- Magenta (0%)
- Yellow (62%)
- Black (13%)





- Cyan (20%)
- Magenta (13%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.3479, 0.3860, 0.4789 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 65.3479, 0.3860, 0.4789 by changing the saturation by 10% instead.


 65.3479, 0.3860,
0.4789


 65.3479, 0.3860,
0.4789

444.0411, 0.3563,
0.4085

 47.7432, 0.3910,
0.4942


 112.5499, 0.3770,
0.4549


 33.6236, 0.3959,
0.5124


 142.9160, 0.3731,
0.4453

 22.6046, 0.4002,
0.5340


 178.3047, 0.3696,
0.4371

 14.3018, 0.4022,
0.5592

 219.1004, 0.3664,
0.4299

 8.3309, 0.4043,
0.5957

265.6875, 0.3635,
0.4236

 4.3074, 0.3830,
0.6170

318.4504, 0.3609,

 1.8470, 0.3475,

0.4180

0.6525

377.7735, 0.3585,
0.4130

0.5162, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

65.3479, 0.3860,
0.4789

65.3479, 0.3860,
0.4789

64.6855, 0.3928,
0.4961

66.1321, 0.3769,
0.4580

64.1253, 0.3971,
0.5091

67.0384, 0.3659,
0.4344


63.6576, 0.3987,
0.5175


68.0781, 0.3537,
0.4092


63.3157, 0.3985,
0.5218


69.2588, 0.3408,
0.3832

 70.5874, 0.3276,
0.3575

 72.0704, 0.3147,
0.3327

 73.7139, 0.3022,
0.3092

 75.0762, 0.2945,
0.2939

 75.4998, 0.2962,
0.2941

Harmonies

Analogous

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



65.3479, 0.4494, 0.4375



65.3479, 0.3860, 0.4789



65.3479, 0.3075, 0.4728

Triad

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



65.3479, 0.3860, 0.4789



65.3479, 0.1709, 0.2456



65.3479, 0.3856, 0.2652

Complementary

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



65.3479, 0.3860, 0.4789



14.4900, 0.2040, 0.1364

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.



65.3479, 0.2996, 0.2251



65.3479, 0.3860, 0.4789



65.3479, 0.1850, 0.2108

Square

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



65.3479, 0.3860, 0.4789



65.3479, 0.1868, 0.3144



65.3479, 0.2284, 0.2055



65.3479, 0.4551, 0.3190

Rectangle

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



65.3479, 0.3860, 0.4789



65.3479, 0.2569, 0.4332



65.3479, 0.2284, 0.2055



65.3479, 0.3569, 0.2499

Sweetspot

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



65.3509, 0.3860, 0.4789



96.3773, 0.3363, 0.3745



25.3147, 0.4946, 0.3468



20.5174, 0.3402, 0.3821



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.



65.3509, 0.3860, 0.4789



89.2021, 0.3944, 0.5006



57.7043, 0.3340, 0.5094



15.1820, 0.3249, 0.3522



36.8106, 0.3988, 0.5215



2.4072, 0.4024, 0.5187

Inverse Universe

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



14.4900, 0.2040, 0.1364



13.2522, 0.1808, 0.0995



20.1427, 0.2646, 0.1633



12.6903, 0.2999, 0.3049



3.1859, 0.1545, 0.0625



0.2314, 0.1653, 0.0685

Previews

White Background



This preview shows how the Yxy color 65.3479, 0.3860, 0.4789 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 65.3479, 0.3860, 0.4789 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 65.3479, 0.3860, 0.4789

Background



This preview shows how black text looks on a background with the Yxy color 65.3479, 0.3860, 0.4789.



This preview shows how white text looks on a background with the Yxy color 65.3479, 0.3860, 0.4789.

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

65.3479, 0.3860, 0.4789

Protanopia

64.8599, 0.4180, 0.4589

Deuteranopia

64.8091, 0.4190, 0.4138



Tritanopia

65.0134, 0.3106, 0.3114

Trichromacy



Original Color

65.3479, 0.3860, 0.4789

Protanomaly

65.0727, 0.4059, 0.4667

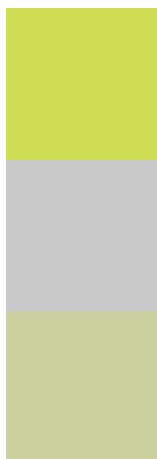
Deuteranomaly

64.6461, 0.4079, 0.4371

Tritanomaly

64.4002, 0.3418, 0.3742

Monochromacy



Original Color

65.3479, 0.3860, 0.4789

Achromatopsia

58.4078, 0.3127, 0.3290

Achromatomaly

60.1715, 0.3431, 0.3883

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.3479, 0.3860, 0.4789 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(205, 221, 85)` looks like.

```
.text, #text, p{  
    color:rgb(205, 221, 85)  
}
```

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(205, 221, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 221, 85) }
```

Border

The CSS property to change the border of an element to Yxy 65.3479, 0.3860, 0.4789 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(205, 221, 85) }
```

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

```
.border{ border-color:rgb(205, 221, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 221, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 221, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 221, 85);  
box-shadow:4px 4px 4px 4px rgb(205, 221,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 65.3479, 0.3860, 0.4789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 221, 85) }
```

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

```
.background{ background-color: rgb(205,  
221, 85) }
```

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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