

Converting Colors

$Y_{xy}(65.3223, 0.3909, 0.4735)$

Have a look what the booklet for
Yxy(65.3223, 0.3909, 0.4735)
contains.

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Color

Yxy(65.2000, 0.3910, 0.4729)

Conversions

Conversions Part 1

Format	Color
Hex	D3DB57
RGB	211, 219, 87
RGB Percent	83%, 86%, 34%
CMY	0.1727, 0.1411, 0.6587
CMYK	0.04, 0.00, 0.60, 0.14
HSL	64°, 65%, 60%
HSV	64°, 60%, 86%
XYZ	53.9082, 65.2000, 18.7645
YIQ	201.5600, 37.6040, -42.7480

Conversions

Conversions Part 2

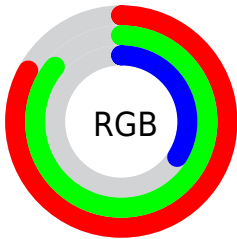
Format	Color
R_{YB}	87, 219, 95
Decimal	13884247
CIE _{Lab}	84.59, -19.68, 62.13
CIE _{LCh}	85, 65.170, 107.579
Yxy	65.2000, 0.3910, 0.4729
Android (android.graphics.Color)	4292074327 (0xFFD3DB57)
YUV	201.5600, -56.4781, 8.2789
Hunter-Lab	80.7465, -22.1357, 42.7443

Details

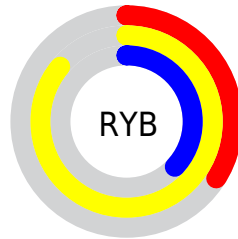
The Yxy color **65.2000, 0.3910, 0.4729** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **14.3725, 0.2012, 0.1382**, and the grayscale version is **59.1146, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7330, 0.3788, 0.4382**, and **33.5048, 0.4034, 0.5041** is the 20% darker color. If you saturate the color by 10%, you get **64.7010, 0.3992, 0.4894**, and if you desaturate by 10%, it is **65.8152, 0.3806, 0.4527**.

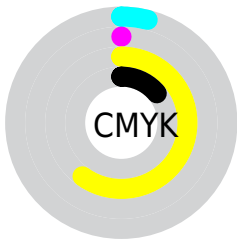
Distribution



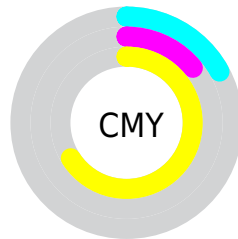
- Red (83%)
- Green (86%)
- Blue (34%)



- Red (34%)
- Yellow (86%)
- Blue (37%)



- Cyan (4%)
- Magenta (0%)
- Yellow (60%)
- Black (14%)



- Cyan (17%)
- Magenta (14%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.2000, 0.3910, 0.4729 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 65.2000, 0.3910, 0.4729 by changing the saturation by 10% instead.


 65.2000, 0.3910,
0.4729

 65.2000, 0.3910,
0.4729


443.5103, 0.3586,
0.4058


 47.6233, 0.3967,
0.4874

 112.3373, 0.3810,
0.4501


 33.5286, 0.4026,
0.5046


 142.6668, 0.3767,
0.4410

 22.5317, 0.4081,
0.5248

 178.0158, 0.3729,
0.4331

 14.2481, 0.4120,
0.5483

 218.7690, 0.3694,
0.4263

 8.2934, 0.4171,
0.5829

265.3106, 0.3663,
0.4202

 4.2833, 0.3992,
0.6008

318.0252, 0.3635,

 1.8333, 0.3692,

0.4149

0.6308

377.2969, 0.3609,
0.4101

0.5078, 0.0042,
0.9958

0.0000, 0.0000,
0.0000

65.2000, 0.3910,
0.4729

65.2000, 0.3910,
0.4729

64.7010, 0.3992,
0.4894

65.8152, 0.3806,
0.4527

64.2991, 0.4047,
0.5017


66.5465, 0.3684,
0.4298


63.9851, 0.4077,
0.5096


67.4049, 0.3550,
0.4051

63.7432, 0.4086,
0.5138


68.3977, 0.3410,
0.3796

 69.5317, 0.3269,
0.3542

 70.8130, 0.3131,
0.3296

 72.2476, 0.2998,
0.3063

 73.3663, 0.2917,
0.2915

 73.5777, 0.2926,
0.2916

Harmonies

Analogous

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



65.2000, 0.4504, 0.4307



65.2000, 0.3910, 0.4729



65.2000, 0.3149, 0.4715

Triad

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



65.2000, 0.3910, 0.4729



65.2000, 0.1742, 0.2526



65.2000, 0.3764, 0.2626

Complementary

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



65.2000, 0.3910, 0.4729



14.3725, 0.2012, 0.1382

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.



65.2000, 0.2930, 0.2248



65.2000, 0.3910, 0.4729



65.2000, 0.1855, 0.2154

Square

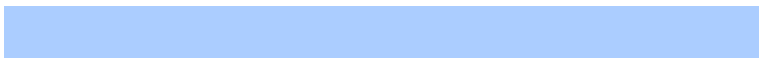
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



65.2000, 0.3910, 0.4729



65.2000, 0.1927, 0.3225



65.2000, 0.2256, 0.2077



65.2000, 0.4468, 0.3146

Rectangle

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



65.2000, 0.3910, 0.4729



65.2000, 0.2648, 0.4364



65.2000, 0.2256, 0.2077



65.2000, 0.3483, 0.2480

Sweetspot

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



65.2030, 0.3910, 0.4729



96.8610, 0.3381, 0.3742



23.6895, 0.4962, 0.3367



20.6372, 0.3422, 0.3817



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.



65.2030, 0.3910, 0.4729



91.1767, 0.4007, 0.4927



57.5094, 0.3403, 0.5020



15.2213, 0.3257, 0.3522



37.8082, 0.4088, 0.5136



2.4619, 0.4106, 0.5122

Inverse Universe

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



14.3725, 0.2012, 0.1382



13.5986, 0.1788, 0.1019



19.3698, 0.2570, 0.1626



12.6549, 0.2990, 0.3049



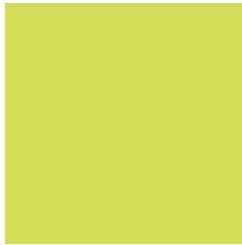
3.1010, 0.1520, 0.0611



0.2145, 0.1581, 0.0644

Previews

White Background



This preview shows how the Yxy color 65.2000, 0.3910, 0.4729 looks on a white background.

Color Contrast Check

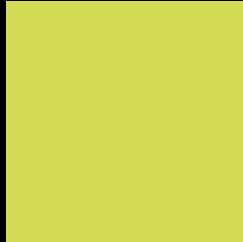
Large Text (above 18pt) WCAG AA × Fail

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 65.2000, 0.3910, 0.4729 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 65.2000, 0.3910, 0.4729

Background



This preview shows how black text looks on a background with the Yxy color 65.2000, 0.3910, 0.4729.



This preview shows how white text looks on a background with the Yxy color 65.2000, 0.3910, 0.4729.

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

65.2000, 0.3910, 0.4729

Protanopia

64.9066, 0.4166, 0.4568

Deuteranopia

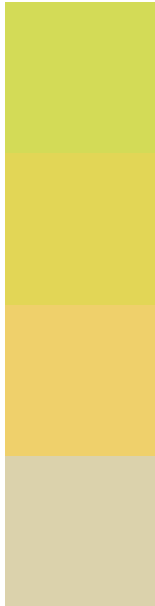
64.8091, 0.4190, 0.4138



Tritanopia

64.7304, 0.3158, 0.3115

Trichromacy



Original Color

65.2000, 0.3910, 0.4729

Protanomaly

64.9338, 0.4068, 0.4626

Deuteranomaly

64.5240, 0.4095, 0.4345

Tritanomaly

64.1318, 0.3469, 0.3726

Monochromacy



Original Color

65.2000, 0.3910, 0.4729

Achromatopsia

59.0619, 0.3127, 0.3290

Achromatomaly

60.6290, 0.3448, 0.3866

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.2000, 0.3910, 0.4729 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(211, 219, 87)` looks like.

```
.text, #text, p{  
    color:rgb(211, 219, 87)  
}
```

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(211, 219, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 219, 87) }
```

Border

The CSS property to change the border of an element to Yxy 65.2000, 0.3910, 0.4729 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(211, 219, 87) }
```

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

```
.border{ border-color:rgb(211, 219, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 219, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 219, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 219, 87);  
box-shadow:4px 4px 4px 4px rgb(211, 219,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 65.2000, 0.3910, 0.4729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 219, 87) }
```

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

```
.background{ background-color: rgb(211,  
219, 87) }
```

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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