

Converting Colors

$Y_{xy}(65.5080, 0.4074, 0.5147)$

Have a look what the booklet for
Yxy(65.5080, 0.4074, 0.5147)
contains.

Yxy(65.5080, 0.4074, 0.5147)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(65.5080, 0.4074, 0.5147)

Conversions

Conversions Part 1

Format	Color
Hex	CFDE00
RGB	207, 222, 0
RGB Percent	81%, 87%, 0%
CMY	0.1883, 0.1294, 0.9994
CMYK	0.07, 0.00, 1.00, 0.13
HSL	64°, 100%, 44%
HSV	64°, 100%, 87%
XYZ	51.8515, 65.5080, 9.9147
YIQ	192.2070, 62.3220, -72.2220

Conversions

Conversions Part 2

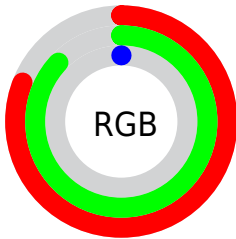
Format	Color
RYB	0, 222, 15
Decimal	13622784
CIELab	84.74, -25.70, 83.72
CIELCh	85, 87.575, 107.063
Yxy	65.5080, 0.4074, 0.5147
Android (android.graphics.Color)	4291812864 (0xFFCFDE00)
YUV	192.2070, -94.7581, 12.9735
Hunter-Lab	80.9370, -27.2855, 49.3930

Details

The Yxy color **65.5080, 0.4074, 0.5147** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed yellow. A complement of this color would be **5.3804, 0.1518, 0.0610**, and the grayscale version is **53.3875, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4846, 0.4031, 0.4785**, and **33.9333, 0.3996, 0.5209** is the 20% darker color. If you saturate the color by 10%, you get **65.5093, 0.4074, 0.5147**, and if you desaturate by 10%, it is **65.7875, 0.4066, 0.5103**.

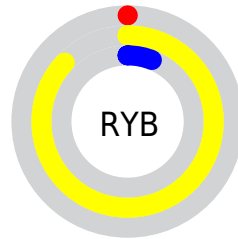
Distribution



Red (81%)

Green (87%)

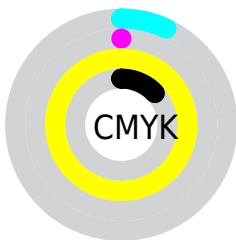
Blue (0%)



Red (0%)

Yellow (87%)

Blue (6%)

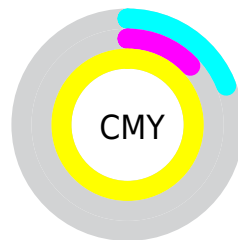


Cyan (7%)

Magenta (0%)

Yellow (100%)

Black (13%)



Cyan (19%)


Magenta (13%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.5080, 0.4074, 0.5147 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 65.5080, 0.4074, 0.5147 by changing the saturation by 10% instead.

 65.5080, 0.4074,
0.5147


 65.5080, 0.4074,
0.5147


444.6153, 0.3732,
0.4319

 47.8731, 0.4113,
0.5306


 112.7799, 0.3985,
0.4880

 33.7264, 0.4140,
0.5482


 143.1857, 0.3941,
0.4769


 22.6835, 0.4141,
0.5673


 178.6172, 0.3899,
0.4671

 14.3600, 0.4108,
0.5892

 219.4590, 0.3861,
0.4584

 8.3715, 0.3951,
0.6049

 266.0952, 0.3825,
0.4507

 4.3335, 0.3716,
0.6284

 318.9104, 0.3791,

 1.8618, 0.3324,

0.4438

0.6676

378.2890, 0.3761,
0.4376

■ 0.5253, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 65.5080, 0.4074,
0.5147

■ 65.5080, 0.4074,
0.5147

■ 65.5093, 0.4074,
0.5147

■ 65.7875, 0.4066,
0.5103

■ 66.1338, 0.4037,
0.5022

■ 66.5717, 0.3981,
0.4896

■ 67.1136, 0.3900,
0.4728

■ 67.7699, 0.3797,
0.4524

■ 68.5500, 0.3676,
0.4292

■ 69.4619, 0.3543,
0.4044

■ 70.5133, 0.3404,
0.3789

■ 71.7110, 0.3264,
0.3534

Harmonies

Analogous

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



65.5080, 0.4870, 0.4488



65.5080, 0.4074, 0.5147



65.5080, 0.3103, 0.5272

Triad

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



65.5080, 0.4074, 0.5147



65.5080, 0.1385, 0.2270



65.5080, 0.3944, 0.2422

Complementary

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



65.5080, 0.4074, 0.5147



5.3804, 0.1518, 0.0610

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.



65.5080, 0.2830, 0.1970



65.5080, 0.4074, 0.5147



65.5080, 0.1521, 0.1838

Square

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



65.5080, 0.4074, 0.5147



65.5080, 0.1589, 0.3178



65.5080, 0.1991, 0.1763



65.5080, 0.4908, 0.3043

Rectangle

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



65.5080, 0.4074, 0.5147



65.5080, 0.2469, 0.4812



65.5080, 0.1991, 0.1763



65.5080, 0.3561, 0.2247

Sweetspot

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



65.5110, 0.4074, 0.5147



95.0454, 0.3547, 0.4051



15.8710, 0.6360, 0.3332



20.2257, 0.3604, 0.4158



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.



65.5110, 0.4074, 0.5147



89.6514, 0.4073, 0.5148



54.7496, 0.3272, 0.5783



15.9799, 0.3257, 0.3522



38.9276, 0.4076, 0.5146



2.7126, 0.4095, 0.5131

Inverse Universe

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



5.3804, 0.1518, 0.0610



7.3416, 0.1515, 0.0608



9.7029, 0.2149, 0.0958



13.2874, 0.2991, 0.3048



3.2101, 0.1522, 0.0612



0.2383, 0.1586, 0.0647

Previews

White Background



This preview shows how the Yxy color 65.5080, 0.4074, 0.5147 looks on a white background.

Color Contrast Check

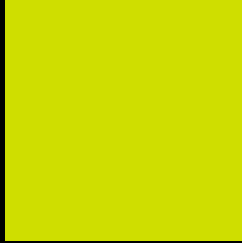
Large Text (above 18pt) WCAG AA × Fail

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 65.5080, 0.4074, 0.5147 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 65.5080, 0.4074, 0.5147

Background



This preview shows how black text looks on a background with the Yxy color 65.5080, 0.4074, 0.5147.



This preview shows how white text looks on a background with the Yxy color 65.5080, 0.4074, 0.5147.

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

65.5080, 0.4074, 0.5147

Protanopia

65.2641, 0.4403, 0.4886

Deuteranopia

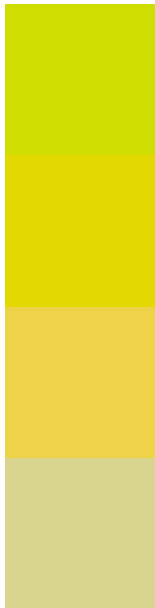
65.1417, 0.4224, 0.4200



Tritanopia

65.1583, 0.3136, 0.3104

Trichromacy



Original Color

65.5080, 0.4074, 0.5147

Protanomaly

65.4426, 0.4281, 0.4983

Deuteranomaly

64.7253, 0.4261, 0.4640

Tritanomaly

63.7917, 0.3663, 0.4096

Monochromacy



Original Color

65.5080, 0.4074, 0.5147

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

55.9873, 0.3668, 0.4288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.5080, 0.4074, 0.5147 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(207, 222, 0)` looks like.

```
.text, #text, p{  
    color:rgb(207, 222, 0)  
}
```

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(207, 222, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 222, 0) }
```

Border

The CSS property to change the border of an element to Yxy 65.5080, 0.4074, 0.5147 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(207, 222, 0) }
```

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

```
.border{ border-color:rgb(207, 222, 0) }
```

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

Here you see how a box with a 4 pixel rgb(207, 222, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 222, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 222, 0);  
box-shadow:4px 4px 4px 4px rgb(207, 222,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 65.5080, 0.4074, 0.5147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 222, 0) }
```

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

```
.background{ background-color: rgb(207,  
222, 0) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor