

Converting Colors

Yxy(66.7427, 0.4146, 0.5090)

Have a look what the booklet for
Yxy(66.7427, 0.4146, 0.5090)
contains.

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Color

Yxy(66.8415, 0.4146, 0.5090)

Conversions

Conversions Part 1

Format	Color
Hex	D8DE00
RGB	216, 222, 0
RGB Percent	85%, 87%, 0%
CMY	0.1529, 0.1294, 0.9998
CMYK	0.03, 0.00, 1.00, 0.13
HSL	62°, 100%, 44%
HSV	62°, 100%, 87%
XYZ	54.4450, 66.8415, 10.0328
YIQ	194.8980, 67.6860, -70.3140

Conversions

Conversions Part 2

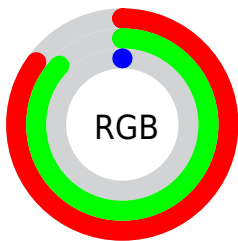
Format	Color
RYB	0, 222, 6
Decimal	14212608
CIELab	85.42, -21.92, 84.53
CIELCh	85, 87.331, 104.538
Yxy	66.8415, 0.4146, 0.5090
Android (android.graphics.Color)	4292402688 (0xFFD8DE00)
YUV	194.8980, -96.0847, 18.5065
Hunter-Lab	81.7567, -24.2040, 49.9539

Details

The Yxy color **66.8415, 0.4146, 0.5090** 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 **5.3140, 0.1507, 0.0604**, and the grayscale version is **55.0699, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5013, 0.4028, 0.4779**, and **34.7054, 0.4079, 0.5143** is the 20% darker color. If you saturate the color by 10%, you get **66.8443, 0.4146, 0.5090**, and if you desaturate by 10%, it is **66.9947, 0.4131, 0.5053**.

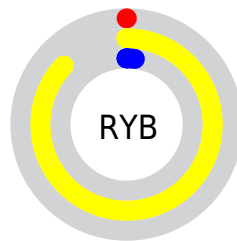
Distribution



Red (85%)

Green (87%)

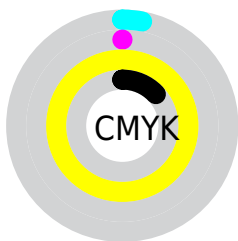
Blue (0%)



Red (0%)

Yellow (87%)

Blue (2%)

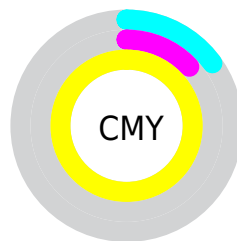


Cyan (3%)

Magenta (0%)

Yellow (100%)

Black (13%)



Cyan (15%)


Magenta (13%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.8415, 0.4146, 0.5090 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 66.8415, 0.4146, 0.5090 by changing the saturation by 10% instead.

 66.8415, 0.4146,
0.5090


 66.8415, 0.4146,
0.5090


449.3804, 0.3771,
0.4301

 48.9558, 0.4193,
0.5238


 114.6933, 0.4045,
0.4839

 34.5844, 0.4230,
0.5400


 145.4282, 0.3997,
0.4733


 23.3429, 0.4244,
0.5572


 181.2149, 0.3951,
0.4640

 14.8469, 0.4231,
0.5769

 222.4379, 0.3909,
0.4557

 8.7120, 0.4102,
0.5898

 269.4816, 0.3870,
0.4482

 4.5538, 0.3908,
0.6092

 322.7303, 0.3834,

 1.9879, 0.3588,

0.4416

0.6412

382.5684, 0.3801,
0.4356

■ 0.6005, 0.0559,
0.9441

■ 0.0000, 0.0000,
0.0000

■ 66.8415, 0.4146,
0.5090

■ 66.8415, 0.4146,
0.5090

■ 66.8443, 0.4146,
0.5090

■ 66.9947, 0.4131,
0.5053

■ 67.2126, 0.4095,
0.4980

■ 67.5204, 0.4032,
0.4863

■ 67.9304, 0.3944,
0.4704

■ 68.4530, 0.3833,
0.4508

■ 69.0976, 0.3705,
0.4283

■ 69.8722, 0.3564,
0.4039

■ 70.7844, 0.3418,
0.3787

■ 71.8412, 0.3271,
0.3535

Harmonies

Analogous

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



66.8415, 0.4909, 0.4420



66.8415, 0.4146, 0.5090



66.8415, 0.3189, 0.5277

Triad

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



66.8415, 0.4146, 0.5090



66.8415, 0.1401, 0.2336



66.8415, 0.3841, 0.2383

Complementary

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



66.8415, 0.4146, 0.5090



5.3140, 0.1507, 0.0604

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.



66.8415, 0.2749, 0.1952



66.8415, 0.4146, 0.5090



66.8415, 0.1509, 0.1871

Square

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



66.8415, 0.4146, 0.5090



66.8415, 0.1635, 0.3278



66.8415, 0.1946, 0.1768



66.8415, 0.4831, 0.2991

Rectangle

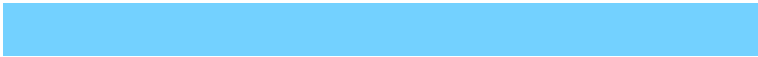
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66.8415, 0.4146, 0.5090



66.8415, 0.2552, 0.4876



66.8415, 0.1946, 0.1768



66.8415, 0.3462, 0.2215

Sweetspot

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



66.8446, 0.4146, 0.5090



95.6257, 0.3568, 0.4046



15.6111, 0.6391, 0.3307



20.3670, 0.3629, 0.4151



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.



66.8446, 0.4146, 0.5090



91.5003, 0.4146, 0.5090



55.3887, 0.3336, 0.5733



16.0098, 0.3263, 0.3522



39.7126, 0.4147, 0.5090



2.7587, 0.4154, 0.5083

Inverse Universe

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



5.3140, 0.1507, 0.0604



7.2643, 0.1506, 0.0603



8.9013, 0.2045, 0.0900



13.2608, 0.2985, 0.3048



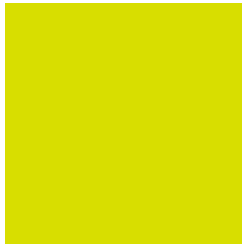
3.1632, 0.1509, 0.0605



0.2256, 0.1534, 0.0619

Previews

White Background



This preview shows how the Yxy color 66.8415, 0.4146, 0.5090 looks on a white background.

Color Contrast Check

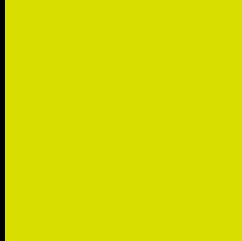
Large Text (above 18pt) WCAG AA × Fail

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 66.8415, 0.4146, 0.5090 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 66.8415, 0.4146, 0.5090

Background



This preview shows how black text looks on a background with the Yxy color 66.8415, 0.4146, 0.5090.



This preview shows how white text looks on a background with the Yxy color 66.8415, 0.4146, 0.5090.

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

66.8415, 0.4146, 0.5090

Protanopia

66.7939, 0.4409, 0.4882

Deuteranopia

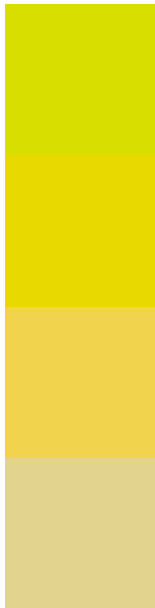
66.3278, 0.4146, 0.4130



Tritanopia

66.4593, 0.3196, 0.3108

Trichromacy



Original Color

66.8415, 0.4146, 0.5090

Protanomaly

66.7815, 0.4313, 0.4958

Deuteranomaly

65.8394, 0.4247, 0.4588

Tritanomaly

65.2087, 0.3736, 0.4075

Monochromacy



Original Color

66.8415, 0.4146, 0.5090

Achromatopsia

54.5724, 0.3127, 0.3290

Achromatomaly

57.8144, 0.3697, 0.4267

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.8415, 0.4146, 0.5090 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(216, 222, 0)` looks like.

```
.text, #text, p{  
    color:rgb(216, 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(216, 222, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 222, 0) }
```

Border

The CSS property to change the border of an element to Yxy 66.8415, 0.4146, 0.5090 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(216, 222, 0) }
```

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

```
.border{ border-color:rgb(216, 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(216, 222, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 222, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 222, 0);  
box-shadow:4px 4px 4px 4px rgb(216, 222,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 66.8415, 0.4146, 0.5090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 222, 0) }
```

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

```
.background{ background-color: rgb(216,  
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](#).

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