

Converting Colors

$Y_{xy}(76.3868, 0.4000, 0.5206)$

Have a look what the booklet for
Yxy(76.3868, 0.4000, 0.5206)
contains.

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Color

Yxy(76.6163, 0.4001, 0.5205)

Conversions

Conversions Part 1

Format	Color
Hex	D6F000
RGB	214, 240, 0
RGB Percent	84%, 94%, 0%
CMY	0.1608, 0.0588, 0.9994
CMYK	0.11, 0.00, 1.00, 0.06
HSL	67°, 100%, 47%
HSV	67°, 100%, 94%
XYZ	58.8937, 76.6163, 11.6875
YIQ	204.8660, 61.5440, -80.1520

Conversions

Conversions Part 2

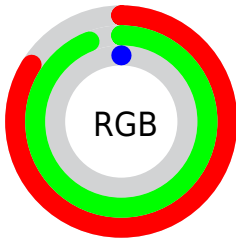
Format	Color
RYB	0, 240, 26
Decimal	14086144
CIELab	90.14, -31.25, 87.96
CIELCh	90, 93.346, 109.562
Yxy	76.6163, 0.4001, 0.5205
Android (android.graphics.Color)	4292276224 (0xFFD6F000)
YUV	204.8660, -100.9989, 8.0105
Hunter-Lab	87.5307, -33.0778, 53.3549

Details

The Yxy color **76.6163, 0.4001, 0.5205** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light saturated yellow. A complement of this color would be **6.5160, 0.1531, 0.0618**, and the grayscale version is **61.5994, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5527, 0.4017, 0.4761**, and **41.1510, 0.3908, 0.5279** is the 20% darker color. If you saturate the color by 10%, you get **76.6172, 0.4001, 0.5205**, and if you desaturate by 10%, it is **77.0806, 0.4002, 0.5156**.

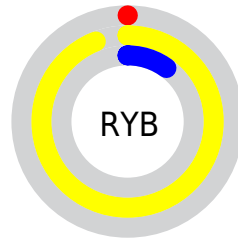
Distribution



Red (84%)

Green (94%)

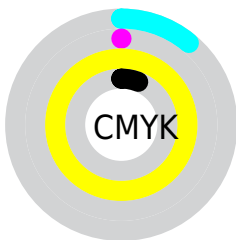
Blue (0%)



Red (0%)

Yellow (94%)

Blue (10%)

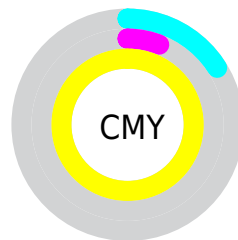


Cyan (11%)

Magenta (0%)

Yellow (100%)

Black (6%)



Cyan (16%)


Magenta (6%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.6163, 0.4001, 0.5205 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 76.6163, 0.4001, 0.5205 by changing the saturation by 10% instead.


 76.6163, 0.4001,
0.5205


 76.6163, 0.4001,
0.5205


483.4548, 0.3707,
0.4367

 56.9380, 0.4031,
0.5365


 128.5977, 0.3928,
0.4936


 40.9555, 0.4047,
0.5543

 161.6696, 0.3891,
0.4825

 28.2843, 0.4039,
0.5737


 199.9749, 0.3856,
0.4725

 18.5401, 0.4015,
0.5985

 243.8978, 0.3822,
0.4637

 11.3384, 0.3856,
0.6144

 293.8229, 0.3790,
0.4559

 6.2949, 0.3627,
0.6373


 350.1345, 0.3760,


 3.0252, 0.3268,


0.4488


0.6732

413.2170, 0.3733,
0.4424


 1.1449, 0.2101,
0.7899


 0.0160, 0.0000,
1.0000


 76.6163, 0.4001,
0.5205

 76.6163, 0.4001,
0.5205

 76.6172, 0.4001,
0.5205

 77.0806, 0.4002,
0.5156

 77.6295, 0.3980,
0.5068

 78.2918, 0.3933,
0.4934

 79.0827, 0.3859,
0.4758

■ 80.0149, 0.3763,
0.4546

■ 81.0996, 0.3649,
0.4307

■ 82.3468, 0.3524,
0.4053

■ 83.7655, 0.3391,
0.3793

■ 85.3643, 0.3258,
0.3536

Harmonies

Analogous

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



76.6163, 0.4829, 0.4557



76.6163, 0.4001, 0.5205



76.6163, 0.3017, 0.5266

Triad

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



76.6163, 0.4001, 0.5205



76.6163, 0.1369, 0.2206



76.6163, 0.4047, 0.2460

Complementary

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



76.6163, 0.4001, 0.5205



6.5160, 0.1531, 0.0618

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.



76.6163, 0.2912, 0.1987



76.6163, 0.4001, 0.5205



76.6163, 0.1534, 0.1806

Square

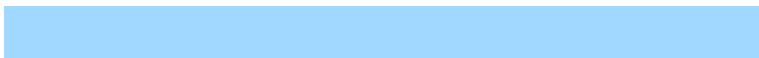
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.6163, 0.4001, 0.5205



76.6163, 0.1542, 0.3079



76.6163, 0.2036, 0.1757



76.6163, 0.4984, 0.3094

Rectangle

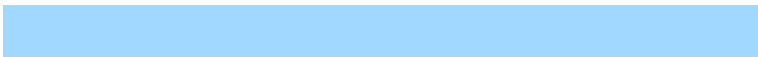
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.6163, 0.4001, 0.5205



76.6163, 0.2386, 0.4745



76.6163, 0.2036, 0.1757



76.6163, 0.3662, 0.2280

Sweetspot

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



76.6198, 0.4001, 0.5205



94.4757, 0.3526, 0.4057



19.1848, 0.6335, 0.3351



20.0874, 0.3580, 0.4166



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.



76.6198, 0.4001, 0.5205



87.9099, 0.4000, 0.5206



64.8142, 0.3230, 0.5817



18.3670, 0.3251, 0.3524



41.9757, 0.4004, 0.5203



3.5167, 0.4031, 0.5182

Inverse Universe

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



6.5160, 0.1531, 0.0618



7.4618, 0.1530, 0.0616



12.2292, 0.2218, 0.0996



15.3107, 0.2996, 0.3047



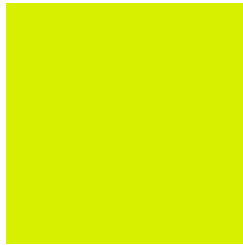
3.5916, 0.1538, 0.0621



0.3257, 0.1619, 0.0666

Previews

White Background



This preview shows how the Yxy color 76.6163, 0.4001, 0.5205 looks on a white background.

Color Contrast Check

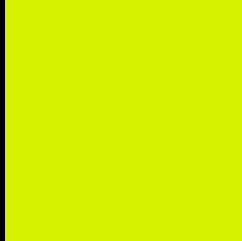
Large Text (above 18pt) WCAG AA × Fail

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 76.6163, 0.4001, 0.5205 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 76.6163, 0.4001, 0.5205

Background



This preview shows how black text looks on a background with the Yxy color 76.6163, 0.4001, 0.5205.



This preview shows how white text looks on a background with the Yxy color 76.6163, 0.4001, 0.5205.

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

76.6163, 0.4001, 0.5205

Protanopia

76.3025, 0.4373, 0.4837

Deuteranopia

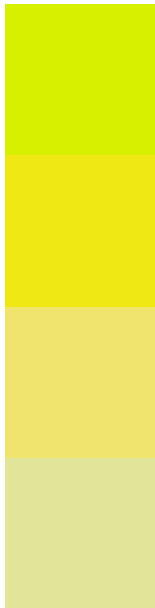
76.0289, 0.3708, 0.3772



Tritanopia

76.2820, 0.3074, 0.3104

Trichromacy



Original Color

76.6163, 0.4001, 0.5205

Protanomaly

76.2890, 0.4238, 0.4981

Deuteranomaly

75.1598, 0.3967, 0.4481

Tritanomaly

74.3461, 0.3596, 0.4125

Monochromacy



Original Color

76.6163, 0.4001, 0.5205

Achromatopsia

61.0496, 0.3127, 0.3290

Achromatomaly

65.1914, 0.3642, 0.4303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.6163, 0.4001, 0.5205 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(214, 240, 0)` looks like.

```
.text, #text, p{  
    color:rgb(214, 240, 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(214, 240, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 240, 0) }
```

Border

The CSS property to change the border of an element to Yxy 76.6163, 0.4001, 0.5205 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(214, 240, 0) }
```

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

```
.border{ border-color:rgb(214, 240, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 240, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 240, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 240, 0);  
box-shadow:4px 4px 4px 4px rgb(214, 240,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 76.6163, 0.4001, 0.5205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 240, 0) }
```

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

```
.background{ background-color: rgb(214,  
240, 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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