

Converting Colors

$Y_{xy}(76.8561, 0.4012, 0.5196)$

Have a look what the booklet for
Yxy(76.8561, 0.4012, 0.5196)
contains.

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Color

Yxy(76.9191, 0.4016, 0.5193)

Conversions

Conversions Part 1

Format	Color
Hex	D8F000
RGB	216, 240, 0
RGB Percent	85%, 94%, 0%
CMY	0.1528, 0.0588, 0.9992
CMYK	0.10, 0.00, 1.00, 0.06
HSL	66°, 100%, 47%
HSV	66°, 100%, 94%
XYZ	59.4853, 76.9191, 11.7164
YIQ	205.4640, 62.7360, -79.7280

Conversions

Conversions Part 2

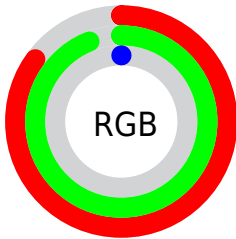
Format	Color
RYB	0, 240, 24
Decimal	14217216
CIELab	90.28, -30.43, 88.12
CIELCh	90, 93.229, 109.053
Yxy	76.9191, 0.4016, 0.5193
Android (android.graphics.Color)	4292407296 (0xFFD8F000)
YUV	205.4640, -101.2938, 9.2401
Hunter-Lab	87.7035, -32.4128, 53.4719

Details

The Yxy color **76.9191, 0.4016, 0.5193** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light saturated yellow. A complement of this color would be **6.4918, 0.1528, 0.0616**, and the grayscale version is **62.0096, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5527, 0.4017, 0.4761**, and **41.3489, 0.3927, 0.5264** is the 20% darker color. If you saturate the color by 10%, you get **76.9192, 0.4016, 0.5193**, and if you desaturate by 10%, it is **77.3572, 0.4015, 0.5145**.

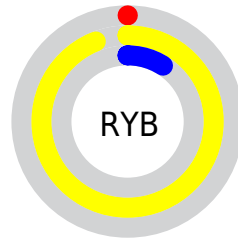
Distribution



Red (85%)

Green (94%)

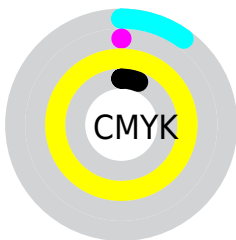
Blue (0%)



Red (0%)

Yellow (94%)

Blue (9%)

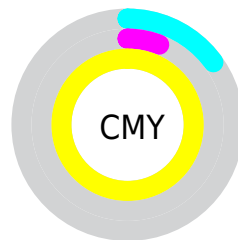


Cyan (10%)

Magenta (0%)

Yellow (100%)

Black (6%)



Cyan (15%)


Magenta (6%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.9191, 0.4016, 0.5193 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 76.9191, 0.4016, 0.5193 by changing the saturation by 10% instead.


 76.9191, 0.4016,
0.5193


 76.9191, 0.4016,
0.5193


484.4882, 0.3715,
0.4363

 57.1865, 0.4047,
0.5351


 129.0253, 0.3941,
0.4927


 41.1550, 0.4066,
0.5526


 162.1676, 0.3903,
0.4817

 28.4402, 0.4060,
0.5716


 200.5487, 0.3866,
0.4719

 18.6578, 0.4040,
0.5960

 244.5528, 0.3832,
0.4631

 11.4232, 0.3887,
0.6113

 294.5644, 0.3799,
0.4553

 6.3523, 0.3665,
0.6335


 350.9679, 0.3769,


 3.0604, 0.3318,


0.4483


0.6682


414.1477, 0.3741,
0.4420

 1.1634, 0.2257,
0.7743


 0.0315, 0.0000,
1.0000


 76.9191, 0.4016,
0.5193


 76.9191, 0.4016,
0.5193

 76.9192, 0.4016,
0.5193

 77.3572, 0.4015,
0.5145

 77.8790, 0.3992,
0.5059

 78.5134, 0.3943,
0.4927

 79.2754, 0.3868,
0.4752

■ 80.1779, 0.3770,
0.4542

■ 81.2319, 0.3655,
0.4304

■ 82.4475, 0.3528,
0.4051

■ 83.8337, 0.3394,
0.3792

■ 85.3989, 0.3259,
0.3536

Harmonies

Analogous

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



76.9191, 0.4838, 0.4542



76.9191, 0.4016, 0.5193



76.9191, 0.3034, 0.5267

Triad

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



76.9191, 0.4016, 0.5193



76.9191, 0.1373, 0.2219



76.9191, 0.4026, 0.2453

Complementary

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



76.9191, 0.4016, 0.5193



6.4918, 0.1528, 0.0616

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.



76.9191, 0.2895, 0.1984



76.9191, 0.4016, 0.5193



76.9191, 0.1531, 0.1813

Square

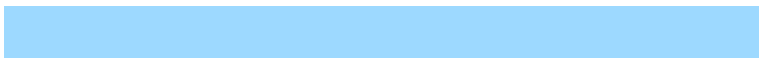
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.9191, 0.4016, 0.5193



76.9191, 0.1552, 0.3099



76.9191, 0.2026, 0.1758



76.9191, 0.4969, 0.3084

Rectangle

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



76.9191, 0.4016, 0.5193



76.9191, 0.2403, 0.4759



76.9191, 0.2026, 0.1758



76.9191, 0.3641, 0.2273

Sweetspot

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



76.9226, 0.4016, 0.5193



94.5927, 0.3530, 0.4056



19.0322, 0.6350, 0.3339



20.1157, 0.3585, 0.4164



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.



76.9226, 0.4016, 0.5193



88.2614, 0.4015, 0.5194



65.0358, 0.3250, 0.5801



18.3741, 0.3253, 0.3524



42.1406, 0.4019, 0.5191



3.5287, 0.4043, 0.5172

Inverse Universe

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



6.4918, 0.1528, 0.0616



7.4330, 0.1526, 0.0614



11.8781, 0.2181, 0.0975



15.3043, 0.2995, 0.3047



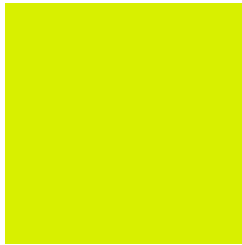
3.5760, 0.1534, 0.0619



0.3227, 0.1610, 0.0661

Previews

White Background



This preview shows how the Yxy color 76.9191, 0.4016, 0.5193 looks on a white background.

Color Contrast Check

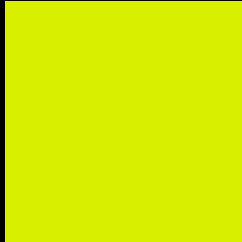
Large Text (above 18pt) WCAG AA × Fail

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 76.9191, 0.4016, 0.5193 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 76.9191, 0.4016, 0.5193

Background



This preview shows how black text looks on a background with the Yxy color 76.9191, 0.4016, 0.5193.



This preview shows how white text looks on a background with the Yxy color 76.9191, 0.4016, 0.5193.

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

76.9191, 0.4016, 0.5193

Protanopia

76.4034, 0.4342, 0.4793

Deuteranopia

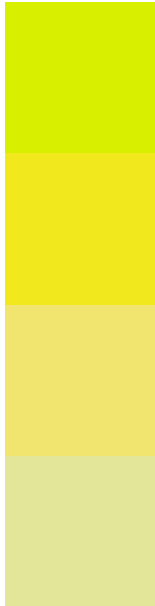
76.5977, 0.3698, 0.3772



Tritanopia

76.6187, 0.3087, 0.3104

Trichromacy



Original Color

76.9191, 0.4016, 0.5193

Protanomaly

76.5077, 0.4233, 0.4954

Deuteranomaly

75.8871, 0.3970, 0.4485

Tritanomaly

74.6694, 0.3612, 0.4120

Monochromacy



Original Color

76.9191, 0.4016, 0.5193

Achromatopsia

61.0496, 0.3127, 0.3290

Achromatomaly

65.3368, 0.3650, 0.4300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.9191, 0.4016, 0.5193 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, 240, 0)` looks like.

```
.text, #text, p{  
    color:rgb(216, 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(216, 240, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 240, 0) }
```

Border

The CSS property to change the border of an element to Yxy 76.9191, 0.4016, 0.5193 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, 240, 0) }
```

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

```
.border{ border-color:rgb(216, 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(216, 240, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 240, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 240, 0);  
box-shadow:4px 4px 4px 4px rgb(216, 240,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 76.9191, 0.4016, 0.5193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 240, 0) }
```

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

```
.background{ background-color: rgb(216,  
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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