

Converting Colors

Yxy(76.9827, 0.4393, 0.4894)

Have a look what the booklet for
Yxy(76.9827, 0.4393, 0.4894)
contains.

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Color

Yxy(76.7468, 0.4396, 0.4891)

Conversions

Conversions Part 1

Format	Color
Hex	FFE400
RGB	255, 228, 0
RGB Percent	100%, 89%, 0%
CMY	0.0001, 0.1058, 0.9985
CMYK	0.00, 0.11, 1.00, 0.00
HSL	54°, 100%, 50%
HSV	54°, 100%, 100%
XYZ	68.9795, 76.7468, 11.1880
YIQ	210.0810, 89.2800, -65.1840

Conversions

Conversions Part 2

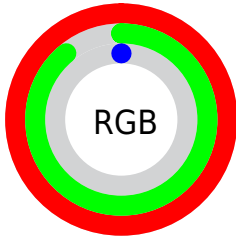
Format	Color
R _Y B	30, 255, 0
Decimal	16770048
CIE Lab	90.20, -8.45, 89.44
CIE LCh	90, 89.835, 95.398
Yxy	76.7468, 0.4396, 0.4891
Android (android.graphics.Color)	4294960128 (0xFFFFE400)
YUV	210.0810, -103.5699, 39.3940
Hunter-Lab	87.6053, -12.7600, 53.7518

Details

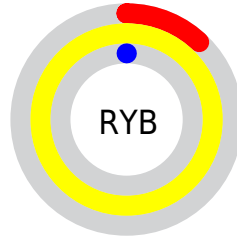
The Yxy color **76.7468, 0.4396, 0.4891** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light saturated yellow. A complement of this color would be **8.0210, 0.1517, 0.0659**, and the grayscale version is **65.1842, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5353, 0.4020, 0.4767**, and **41.2246, 0.4388, 0.4898** is the 20% darker color. If you saturate the color by 10%, you get **76.7275, 0.4396, 0.4891**, and if you desaturate by 10%, it is **78.3214, 0.4352, 0.4876**.

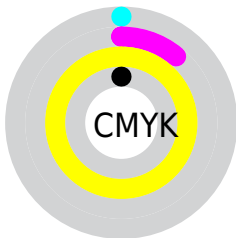
Distribution



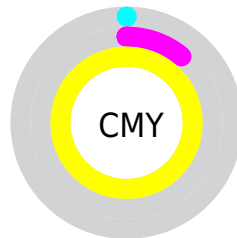
- Red (100%)
- Green (89%)
- Blue (0%)



- Red (12%)
- Yellow (100%)
- Blue (0%)



- Cyan (0%)
- Magenta (11%)
- Yellow (100%)
- Black (0%)





- Cyan (0%)
- Magenta (11%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.7468, 0.4396, 0.4891 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 76.7468, 0.4396, 0.4891 by changing the saturation by 10% instead.

 76.7468, 0.4396,
0.4891


 76.7468, 0.4396,
0.4891


483.9003, 0.3915,
0.4245


 57.0451, 0.4467,
0.5000


 128.7820, 0.4259,
0.4696


 41.0414, 0.4535,
0.5113


 161.8843, 0.4197,
0.4612


 28.3515, 0.4591,
0.5224


 200.2222, 0.4139,
0.4535

 18.5908, 0.4648,
0.5352

 244.1802, 0.4086,
0.4465

 11.3750, 0.4607,
0.5393

 294.1426, 0.4038,
0.4402

 6.3196, 0.4549,
0.5451

 350.4938, 0.3993,

 3.0404, 0.4458,

0.4345

413.6182, 0.3952,
0.4293

0.5542

■ 1.1529, 0.4294,
0.5706

■ 0.0227, 0.0000,
1.0000

■ 76.7468, 0.4396,
0.4891

■ 76.7468, 0.4396,
0.4891

■ 76.7275, 0.4396,
0.4891

■ 78.3214, 0.4352,
0.4876


■ 80.0108, 0.4283,
0.4821


■ 81.8470, 0.4186,
0.4720

■ 83.8476, 0.4064,
0.4576

 86.0276, 0.3921,
0.4396

 88.4000, 0.3764,
0.4190

 90.9763, 0.3601,
0.3967

 93.7673, 0.3437,
0.3737

 96.7827, 0.3277,
0.3508

Harmonies

Analogous

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



76.7468, 0.5037, 0.4188



76.7468, 0.4396, 0.4891



76.7468, 0.3488, 0.5271

Triad

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



76.7468, 0.4396, 0.4891



76.7468, 0.1456, 0.2584



76.7468, 0.3490, 0.2244

Complementary

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



76.7468, 0.4396, 0.4891



8.0210, 0.1517, 0.0659

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.



76.7468, 0.2477, 0.1887



76.7468, 0.4396, 0.4891



76.7468, 0.1464, 0.1989

Square

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



76.7468, 0.4396, 0.4891



76.7468, 0.1806, 0.3647



76.7468, 0.1795, 0.1787



76.7468, 0.4550, 0.2802

Rectangle

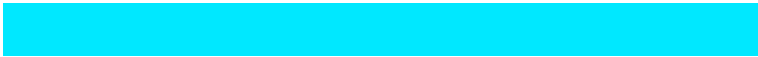
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.7468, 0.4396, 0.4891



76.7468, 0.2845, 0.5079



76.7468, 0.1795, 0.1787



76.7468, 0.3126, 0.2098

Sweetspot

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



76.7505, 0.4396, 0.4891



90.9531, 0.3604, 0.3970



21.3585, 0.6284, 0.3236



19.2300, 0.3673, 0.4065



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.



76.7505, 0.4396, 0.4891



76.7416, 0.4397, 0.4891



78.7143, 0.3526, 0.5581



20.7426, 0.3272, 0.3500



40.2319, 0.4393, 0.4894



4.0076, 0.4367, 0.4915

Inverse Universe

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



8.0210, 0.1517, 0.0659



8.0043, 0.1516, 0.0658



9.8223, 0.1801, 0.0766



17.6872, 0.2979, 0.3070



4.2820, 0.1520, 0.0672



0.5139, 0.1558, 0.0807

Previews

White Background



This preview shows how the Yxy color 76.7468, 0.4396, 0.4891 looks on a white background.

Color Contrast Check

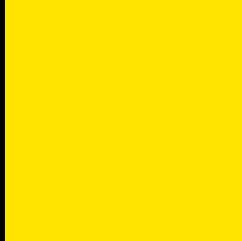
Large Text (above 18pt) WCAG AA × Fail

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 76.7468, 0.4396, 0.4891 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 76.7468, 0.4396, 0.4891

Background



This preview shows how black text looks on a background with the Yxy color 76.7468, 0.4396, 0.4891.



This preview shows how white text looks on a background with the Yxy color 76.7468, 0.4396, 0.4891.

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

76.7468, 0.4396, 0.4891

Protanopia

77.0131, 0.4317, 0.4773

Deuteranopia

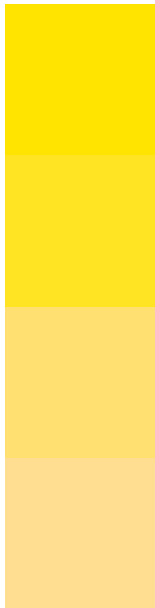
76.6371, 0.3691, 0.3762



Tritanopia

76.4871, 0.3329, 0.3181

Trichromacy



Original Color

76.7468, 0.4396, 0.4891

Protanomaly

76.8682, 0.4360, 0.4837

Deuteranomaly

75.7412, 0.4099, 0.4384

Tritanomaly

75.0172, 0.3910, 0.4062

Monochromacy



Original Color

76.7468, 0.4396, 0.4891

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

67.5157, 0.3771, 0.4209

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.7468, 0.4396, 0.4891 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(255, 228, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 228, 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(255, 228, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 228, 0) }
```

Border

The CSS property to change the border of an element to Yxy 76.7468, 0.4396, 0.4891 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(255, 228, 0) }
```

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

```
.border{ border-color:rgb(255, 228, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 228, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 228, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 228, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 228,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 76.7468, 0.4396, 0.4891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 228, 0) }
```

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

```
.background{ background-color: rgb(255,  
228, 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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