

Converting Colors

Yxy(76.8460, 0.4390, 0.4884)

Have a look what the booklet for
Yxy(76.8460, 0.4390, 0.4884)
contains.

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Color

Yxy(76.7643, 0.4391, 0.4883)

Conversions

Conversions Part 1

Format	Color
Hex	FFE408
RGB	255, 228, 8
RGB Percent	100%, 89%, 3%
CMY	0.0000, 0.1059, 0.9679
CMYK	0.00, 0.11, 0.97, 0.00
HSL	53°, 100%, 52%
HSV	53°, 97%, 100%
XYZ	69.0297, 76.7643, 11.4132
YIQ	210.9930, 86.7120, -62.6960

Conversions

Conversions Part 2

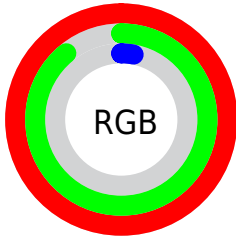
Format	Color
R _Y B	38, 255, 8
Decimal	16770056
CIE Lab	90.21, -8.38, 88.83
CIE LCh	90, 89.220, 95.388
Yxy	76.7643, 0.4391, 0.4883
Android (android.graphics.Color)	4294960136 (0xFFFFE408)
YUV	210.9930, -100.0755, 38.5941
Hunter-Lab	87.6152, -12.6913, 53.6072

Details

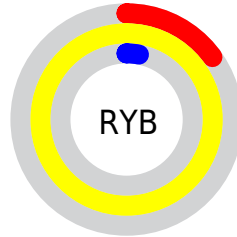
The Yxy color **76.7643, 0.4391, 0.4883** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light saturated yellow. A complement of this color would be **8.4864, 0.1531, 0.0693**, and the grayscale version is **65.7845, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5703, 0.4013, 0.4755**, and **41.2246, 0.4388, 0.4898** is the 20% darker color. If you saturate the color by 10%, you get **76.2568, 0.4404, 0.4885**, and if you desaturate by 10%, it is **78.4099, 0.4340, 0.4859**.

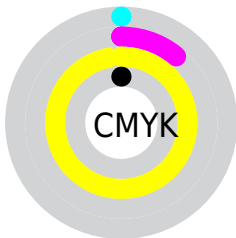
Distribution



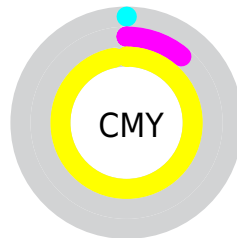
- Red (100%)
- Green (89%)
- Blue (3%)



- Red (15%)
- Yellow (100%)
- Blue (3%)



- Cyan (0%)
- Magenta (11%)
- Yellow (97%)
- Black (0%)





- Cyan (0%)
- Magenta (11%)
- Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.7643, 0.4391, 0.4883 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 76.7643, 0.4391, 0.4883 by changing the saturation by 10% instead.


 76.7643, 0.4391,
0.4883


 76.7643, 0.4391,
0.4883


483.9600, 0.3910,
0.4239

 57.0594, 0.4463,
0.4992


 128.8067, 0.4253,
0.4688


 41.0530, 0.4532,
0.5106


 161.9131, 0.4191,
0.4604


 28.3605, 0.4589,
0.5217


 200.2554, 0.4134,
0.4527

 18.5976, 0.4650,
0.5350

 244.2180, 0.4081,
0.4458

 11.3799, 0.4610,
0.5390

 294.1854, 0.4033,
0.4395

 6.3229, 0.4552,
0.5448

 350.5420, 0.3988,

 3.0424, 0.4461,

0.4338

0.5539

413.6720, 0.3948,
0.4286

■ 1.1539, 0.4300,
0.5700

■ 0.0236, 0.0000,
1.0000

■ 76.7643, 0.4391,
0.4883

■ 76.7643, 0.4391,
0.4883

■ 76.2568, 0.4404,
0.4885

■ 78.4099, 0.4340,
0.4859


■ 80.1860, 0.4261,
0.4790

■ 82.1163, 0.4155,
0.4676

■ 84.2175, 0.4024,
0.4520

 86.5037, 0.3876,
0.4332

 88.9876, 0.3716,
0.4120

 91.6804, 0.3551,
0.3894

 94.5926, 0.3388,
0.3665

 97.7338, 0.3230,
0.3439

Harmonies

Analogous

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



76.7643, 0.5027, 0.4185



76.7643, 0.4391, 0.4883



76.7643, 0.3489, 0.5257

Triad

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



76.7643, 0.4391, 0.4883



76.7643, 0.1465, 0.2590



76.7643, 0.3488, 0.2249

Complementary

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



76.7643, 0.4391, 0.4883



8.4864, 0.1531, 0.0693

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.



76.7643, 0.2481, 0.1894



76.7643, 0.4391, 0.4883



76.7643, 0.1472, 0.1997

Square

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



76.7643, 0.4391, 0.4883



76.7643, 0.1814, 0.3646



76.7643, 0.1802, 0.1795



76.7643, 0.4540, 0.2806

Rectangle

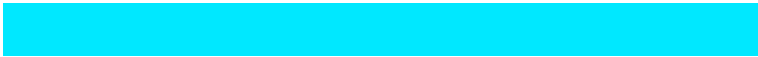
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.7643, 0.4391, 0.4883



76.7643, 0.2849, 0.5065



76.7643, 0.1802, 0.1795



76.7643, 0.3126, 0.2105

Sweetspot

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



76.7669, 0.4391, 0.4883



91.0654, 0.3588, 0.3945



21.5715, 0.6223, 0.3222



19.2446, 0.3658, 0.4041



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.



76.7669, 0.4391, 0.4883



76.2568, 0.4404, 0.4885



79.0521, 0.3541, 0.5556



20.7312, 0.3272, 0.3500



39.9823, 0.4400, 0.4888



3.9859, 0.4373, 0.4910

Inverse Universe

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



8.4864, 0.1531, 0.0693



8.0454, 0.1517, 0.0661



10.2700, 0.1833, 0.0794



17.6974, 0.2979, 0.3071



4.3060, 0.1521, 0.0675



0.5187, 0.1560, 0.0814

Previews

White Background



This preview shows how the Yxy color 76.7643, 0.4391, 0.4883 looks on a white background.

Color Contrast Check

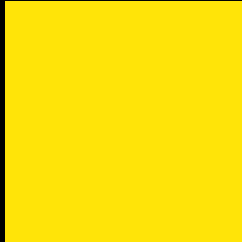
Large Text (above 18pt) WCAG AA × Fail

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 76.7643, 0.4391, 0.4883 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 76.7643, 0.4391, 0.4883

Background



This preview shows how black text looks on a background with the Yxy color 76.7643, 0.4391, 0.4883.



This preview shows how white text looks on a background with the Yxy color 76.7643, 0.4391, 0.4883.

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

76.7643, 0.4391, 0.4883

Protanopia

77.0131, 0.4317, 0.4773

Deuteranopia

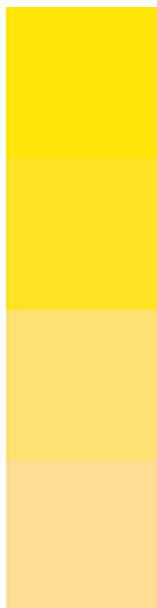
76.6371, 0.3691, 0.3762



Tritanopia

76.4871, 0.3329, 0.3181

Trichromacy



Original Color

76.7643, 0.4391, 0.4883

Protanomaly

76.8804, 0.4356, 0.4831

Deuteranomaly

75.8091, 0.4082, 0.4359

Tritanomaly

75.1110, 0.3889, 0.4033

Monochromacy



Original Color

76.7643, 0.4391, 0.4883

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

67.7627, 0.3759, 0.4175

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.7643, 0.4391, 0.4883 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, 8)` looks like.

```
.text, #text, p{  
    color:rgb(255, 228, 8)  
}
```

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, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 228, 8) }
```

Border

The CSS property to change the border of an element to Yxy 76.7643, 0.4391, 0.4883 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, 8) }
```

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

```
.border{ border-color:rgb(255, 228, 8) }
```

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, 8) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 228, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 228, 8);  
box-shadow:4px 4px 4px 4px rgb(255, 228,  
8) }
```


Background

The CSS property to change the background color of an element to Yxy 76.7643, 0.4391, 0.4883 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, 8) }
```

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

```
.background{ background-color: rgb(255,  
228, 8) }
```

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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