

Converting Colors

$Yxy(76.0688, 0.4396, 0.4867)$

Have a look what the booklet for
Yxy(76.0688, 0.4396, 0.4867)
contains.

| | |
|---|----|
| Yxy(76.2327, 0.4394, 0.4869) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(76.2327, 0.4394, 0.4869)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFE30F |
| RGB | 255, 227, 15 |
| RGB Percent | 100%, 89%, 6% |
| CMY | 0.0000, 0.1098, 0.9412 |
| CMYK | 0.00, 0.11, 0.94, 0.00 |
| HSL | 53°, 100%, 53% |
| HSV | 53°, 94%, 100% |
| XYZ | 68.7957, 76.2327, 11.5390 |
| YIQ | 211.2040, 84.7400, -59.9960 |

Conversions

Conversions Part 2

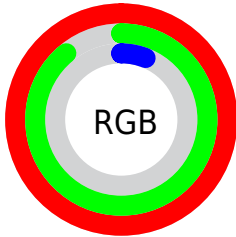
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 47, 255, 15 |
| Decimal | 16769807 |
| CIE Lab | 89.97, -7.83, 88.06 |
| CIE LCh | 90, 88.404, 95.079 |
| Yxy | 76.2327, 0.4394, 0.4869 |
| Android (android.graphics.Color) | 4294959887 (0xFFFFE30F) |
| YUV | 211.2040, -96.7286, 38.4091 |
| Hunter-Lab | 87.3113, -12.1483, 53.2822 |

Details

The Yxy color **76.2327, 0.4394, 0.4869** 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 **9.0478, 0.1547, 0.0733**, and the grayscale version is **65.8951, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6062, 0.4005, 0.4742**, and **40.8425, 0.4399, 0.4889** is the 20% darker color. If you saturate the color by 10%, you get **75.2502, 0.4419, 0.4873**, and if you desaturate by 10%, it is **77.9993, 0.4334, 0.4834**.

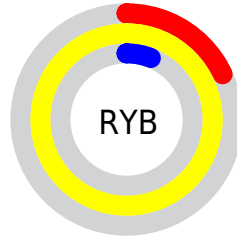
Distribution



Red (100%)

Green (89%)

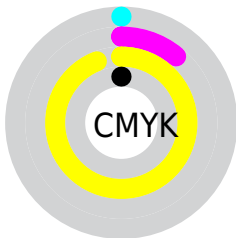
Blue (6%)



Red (18%)

Yellow (100%)

Blue (6%)

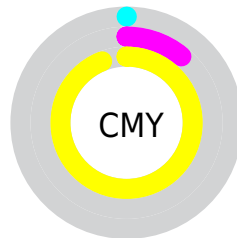


Cyan (0%)

Magenta (11%)

Yellow (94%)

Black (0%)



Cyan (0%)


Magenta (11%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.2327, 0.4394, 0.4869 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 76.2327, 0.4394, 0.4869 by changing the saturation by 10% instead.


 76.2327, 0.4394,
0.4869


 76.2327, 0.4394,
0.4869


482.1439, 0.3909,
0.4229

 56.6233, 0.4468,
0.4978


 128.0558, 0.4255,
0.4676

 40.7029, 0.4538,
0.5091


 161.0383, 0.4192,
0.4592

 28.0870, 0.4598,
0.5202


 199.2473, 0.4134,
0.4515

 18.3913, 0.4664,
0.5336

 243.0673, 0.4081,
0.4447

 11.2313, 0.4626,
0.5374

 292.8825, 0.4032,
0.4384

 6.2226, 0.4572,
0.5428


 349.0774, 0.3987,


 2.9809, 0.4486,


0.4328


0.5514


412.0364, 0.3947,
0.4276


 1.1218, 0.4333,
0.5667


 0.0000, 0.0000,
0.0000


 76.2327, 0.4394,
0.4869


 76.2327, 0.4394,
0.4869


 75.2502, 0.4419,
0.4873


 77.9993, 0.4334,
0.4834


 79.9054, 0.4245,
0.4754


 81.9737, 0.4130,
0.4629


 84.2203, 0.3991,
0.4465

 86.6589, 0.3837,
0.4270

 89.3016, 0.3674,
0.4055

 92.1596, 0.3508,
0.3829

 95.2431, 0.3345,
0.3602

 98.5615, 0.3189,
0.3379

Harmonies

Analogous

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



76.2327, 0.5021, 0.4175



76.2327, 0.4394, 0.4869



76.2327, 0.3499, 0.5243

Triad

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



76.2327, 0.4394, 0.4869



76.2327, 0.1476, 0.2604



76.2327, 0.3474, 0.2250

Complementary

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



76.2327, 0.4394, 0.4869



9.0478, 0.1547, 0.0733

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.



76.2327, 0.2477, 0.1899



76.2327, 0.4394, 0.4869



76.2327, 0.1479, 0.2008

Square

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



76.2327, 0.4394, 0.4869



76.2327, 0.1828, 0.3657



76.2327, 0.1804, 0.1804



76.2327, 0.4521, 0.2803

Rectangle

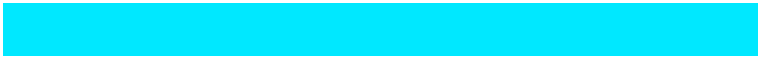
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.2327, 0.4394, 0.4869



76.2327, 0.2862, 0.5057



76.2327, 0.1804, 0.1804



76.2327, 0.3115, 0.2107

Sweetspot

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



76.2361, 0.4394, 0.4869



91.0252, 0.3573, 0.3917



21.7756, 0.6163, 0.3207



19.2213, 0.3644, 0.4015



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.



76.2361, 0.4394, 0.4869



75.2502, 0.4419, 0.4873



79.3405, 0.3554, 0.5534



20.7076, 0.3272, 0.3498



39.4638, 0.4415, 0.4877



3.9406, 0.4386, 0.4899

Inverse Universe

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



9.0478, 0.1547, 0.0733



8.1355, 0.1519, 0.0668



10.6866, 0.1863, 0.0820



17.7188, 0.2979, 0.3073



4.3582, 0.1523, 0.0683



0.5287, 0.1563, 0.0827

Previews

White Background



This preview shows how the Yxy color 76.2327, 0.4394, 0.4869 looks on a white background.

Color Contrast Check

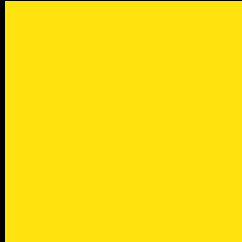
Large Text (above 18pt) WCAG AA × Fail

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 76.2327, 0.4394, 0.4869 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 76.2327, 0.4394, 0.4869

Background



This preview shows how black text looks on a background with the Yxy color 76.2327, 0.4394, 0.4869.



This preview shows how white text looks on a background with the Yxy color 76.2327, 0.4394, 0.4869.

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

76.2327, 0.4394, 0.4869

Protanopia

76.3025, 0.4373, 0.4837

Deuteranopia

76.0289, 0.3708, 0.3772



Tritanopia

75.9178, 0.3337, 0.3180

Trichromacy



Original Color

76.2327, 0.4394, 0.4869

Protanomaly

76.2728, 0.4382, 0.4851

Deuteranomaly

75.2963, 0.4082, 0.4342

Tritanomaly

74.6484, 0.3880, 0.4004

Monochromacy



Original Color

76.2327, 0.4394, 0.4869

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

67.8501, 0.3739, 0.4143

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.2327, 0.4394, 0.4869 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, 227, 15)` looks like.

```
.text, #text, p{  
    color:rgb(255, 227, 15)  
}
```

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, 227, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 227, 15) }
```

Border

The CSS property to change the border of an element to Yxy 76.2327, 0.4394, 0.4869 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, 227, 15) }
```

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

```
.border{ border-color:rgb(255, 227, 15) }
```

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

Here you see how a box with a 4 pixel rgb(255, 227, 15) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 227, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 227, 15);  
box-shadow:4px 4px 4px 4px rgb(255, 227,  
15) }
```


Background

The CSS property to change the background color of an element to Yxy 76.2327, 0.4394, 0.4869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 227, 15) }
```

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

```
.background{ background-color: rgb(255,  
227, 15) }
```

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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