

Converting Colors

$Y_{xy}(79.9177, 0.4716, 0.4746)$

Have a look what the booklet for
Yxy(79.9177, 0.4716, 0.4746)
contains.

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Color

Yxy(73.5026, 0.4446, 0.4852)

Conversions

Conversions Part 1

Format	Color
Hex	FFDE00
RGB	255, 222, 0
RGB Percent	100%, 87%, 0%
CMY	0.0001, 0.1293, 1.0000
CMYK	0.00, 0.13, 1.00, 0.00
HSL	52°, 100%, 50%
HSV	52°, 100%, 100%
XYZ	67.3521, 73.5026, 10.6345
YIQ	206.5590, 90.9300, -62.0460

Conversions

Conversions Part 2

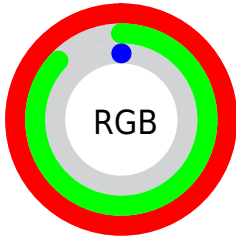
Format	Color
R _Y B	38, 255, 0
Decimal	16768512
CIE Lab	88.69, -5.47, 88.39
CIE LCh	89, 88.559, 93.541
Yxy	73.5026, 0.4446, 0.4852
Android (android.graphics.Color)	4294958592 (0xFFFFDE00)
YUV	206.5590, -101.8336, 42.4828
Hunter-Lab	85.7337, -9.8048, 52.6591

Details

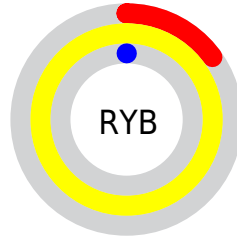
The Yxy color **73.5026, 0.4446, 0.4852** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light saturated yellow. A complement of this color would be **8.3027, 0.1522, 0.0680**, and the grayscale version is **62.7226, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5182, 0.4024, 0.4773**, and **38.9749, 0.4453, 0.4846** is the 20% darker color. If you saturate the color by 10%, you get **73.5063, 0.4446, 0.4852**, and if you desaturate by 10%, it is **75.3463, 0.4396, 0.4841**.

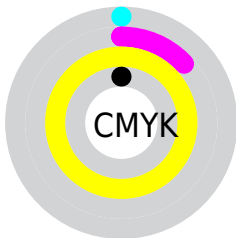
Distribution



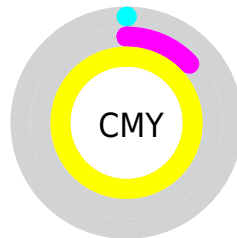
- Red (100%)
- Green (87%)
- Blue (0%)



- Red (15%)
- Yellow (100%)
- Blue (0%)



- Cyan (0%)
- Magenta (13%)
- Yellow (100%)
- Black (0%)




- Cyan (0%)
- Magenta (13%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 73.5026, 0.4446, 0.4852 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 73.5026, 0.4446, 0.4852 by changing the saturation by 10% instead.


 73.5026, 0.4446,
0.4852


 73.5026, 0.4446,
0.4852

472.7549, 0.3937,
0.4224


 54.3870, 0.4524,
0.4956


 124.1905, 0.4299,
0.4664

 38.9112, 0.4599,
0.5063


 156.5315, 0.4233,
0.4582


 26.6906, 0.4663,
0.5164


 194.0499, 0.4172,
0.4507

 17.3410, 0.4725,
0.5275

 237.1299, 0.4116,
0.4439

 10.4779, 0.4697,
0.5303

 286.1561, 0.4065,
0.4378

 5.7170, 0.4657,
0.5343

 341.5127, 0.4019,

 2.6738, 0.4594,

0.4322

0.5406

403.5842, 0.3976,
0.4271

■ 0.9639, 0.4474,
0.5526

■ 0.0000, 0.0000,
0.0000

■ 73.5026, 0.4446,
0.4852

■ 73.5026, 0.4446,
0.4852


■ 73.5063, 0.4446,
0.4852


■ 75.3463, 0.4396,
0.4841


■ 77.3149, 0.4320,
0.4789


■ 79.4412, 0.4216,
0.4692

■ 81.7430, 0.4086,
0.4551

 84.2353, 0.3937,
0.4375

 86.9311, 0.3775,
0.4172

 89.8422, 0.3608,
0.3954

 92.9793, 0.3442,
0.3729

 96.3524, 0.3280,
0.3506

Harmonies

Analogous

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



73.5026, 0.5063, 0.4142



73.5026, 0.4446, 0.4852



73.5026, 0.3548, 0.5268

Triad

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



73.5026, 0.4446, 0.4852



73.5026, 0.1467, 0.2637



73.5026, 0.3421, 0.2215

Complementary

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



73.5026, 0.4446, 0.4852



8.3027, 0.1522, 0.0680

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.



73.5026, 0.2424, 0.1873



73.5026, 0.4446, 0.4852



73.5026, 0.1454, 0.2013

Square

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



73.5026, 0.4446, 0.4852



73.5026, 0.1841, 0.3724



73.5026, 0.1764, 0.1790



73.5026, 0.4493, 0.2764

Rectangle

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



73.5026, 0.4446, 0.4852



73.5026, 0.2904, 0.5116



73.5026, 0.1764, 0.1790



73.5026, 0.3060, 0.2074

Sweetspot

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



73.5063, 0.4446, 0.4852



89.8684, 0.3608, 0.3954



21.3692, 0.6259, 0.3221



18.9670, 0.3679, 0.4047



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.



73.5063, 0.4446, 0.4852



73.5277, 0.4446, 0.4852



79.1260, 0.3552, 0.5561



20.6666, 0.3272, 0.3495



38.5764, 0.4441, 0.4856



3.8629, 0.4409, 0.4881

Inverse Universe

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



8.3027, 0.1522, 0.0680



8.3051, 0.1522, 0.0680



9.5706, 0.1774, 0.0751



17.7559, 0.2979, 0.3076



4.4557, 0.1527, 0.0696



0.5462, 0.1570, 0.0851

Previews

White Background



This preview shows how the Yxy color 73.5026, 0.4446, 0.4852 looks on a white background.

Color Contrast Check

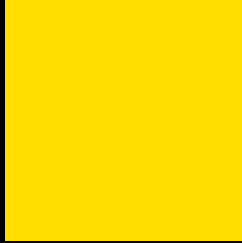
Large Text (above 18pt) WCAG AA × Fail

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 73.5026, 0.4446, 0.4852 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 73.5026, 0.4446, 0.4852

Background



This preview shows how black text looks on a background with the Yxy color 73.5026, 0.4446, 0.4852.



This preview shows how white text looks on a background with the Yxy color 73.5026, 0.4446, 0.4852.

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

73.5026, 0.4446, 0.4852

Protanopia

73.2977, 0.4404, 0.4876

Deuteranopia

73.4589, 0.3815, 0.3866



Tritanopia

73.1225, 0.3380, 0.3180

Trichromacy



Original Color

73.5026, 0.4446, 0.4852

Protanomaly

73.4796, 0.4413, 0.4872

Deuteranomaly

72.8823, 0.4184, 0.4421

Tritanomaly

71.7840, 0.3964, 0.4045

Monochromacy



Original Color

73.5026, 0.4446, 0.4852

Achromatopsia

62.3960, 0.3127, 0.3290

Achromatomaly

64.6002, 0.3789, 0.4188

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.5026, 0.4446, 0.4852 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, 222, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 222, 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, 222, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 222, 0) }
```

Border

The CSS property to change the border of an element to Yxy 73.5026, 0.4446, 0.4852 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, 222, 0) }
```

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

```
.border{ border-color:rgb(255, 222, 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, 222, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 222, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 222, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 222,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 73.5026, 0.4446, 0.4852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 222, 0) }
```

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

```
.background{ background-color: rgb(255,  
222, 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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