

Converting Colors

$Y_{xy}(72.7884, 0.4443, 0.4820)$

Have a look what the booklet for
Yxy(72.7884, 0.4443, 0.4820)
contains.

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Color

Yxy(73.0199, 0.4439, 0.4823)

Conversions

Conversions Part 1

Format	Color
Hex	FFDD13
RGB	255, 221, 19
RGB Percent	100%, 87%, 7%
CMY	0.0001, 0.1333, 0.9250
CMYK	0.00, 0.13, 0.92, 0.00
HSL	51°, 100%, 54%
HSV	51°, 92%, 100%
XYZ	67.2062, 73.0199, 11.1733
YIQ	208.1380, 85.1060, -55.6140

Conversions

Conversions Part 2

Format	Color
R _Y B	59, 255, 19
Decimal	16768275
CIE Lab	88.46, -4.80, 86.46
CIE LCh	88, 86.597, 93.179
Yxy	73.0199, 0.4439, 0.4823
Android (android.graphics.Color)	4294958355 (0xFFFFDD13)
YUV	208.1380, -93.2450, 41.0980
Hunter-Lab	85.4517, -9.1535, 52.0637

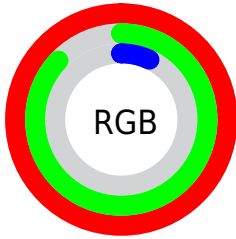
Details

The Yxy color **73.0199, 0.4439, 0.4823** is a light color, and the websafe version is hex **FFCC00**.

The color can be described as light washed yellow. A complement of this color would be **9.9114, 0.1568, 0.0793**, and the grayscale version is **63.7563, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6062, 0.4005, 0.4742**, and **38.6099, 0.4464, 0.4838** is the 20% darker color. If you saturate the color by 10%, you get **71.5333, 0.4478, 0.4826**, and if you desaturate by 10%, it is **75.1223, 0.4366, 0.4785**.

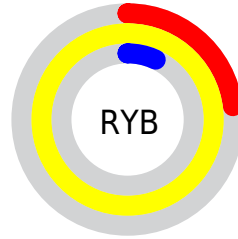
Distribution



Red (100%)

Green (87%)

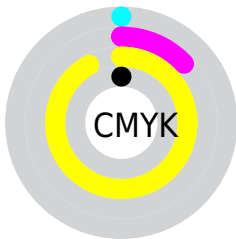
Blue (7%)



Red (23%)

Yellow (100%)

Blue (7%)

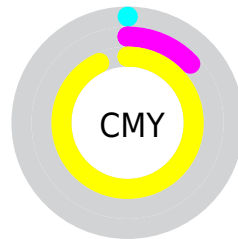


Cyan (0%)

Magenta (13%)

Yellow (92%)

Black (0%)



Cyan (0%)


Magenta (13%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.0199, 0.4439, 0.4823 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 73.0199, 0.4439, 0.4823 by changing the saturation by 10% instead.


 73.0199, 0.4439,
0.4823


 73.0199, 0.4439,
0.4823

471.0838, 0.3927,
0.4203

 53.9922, 0.4519,
0.4927


 123.5055, 0.4289,
0.4636

 38.5955, 0.4598,
0.5034


 155.7321, 0.4223,
0.4555


 26.4452, 0.4667,
0.5138


 193.1273, 0.4161,
0.4481

 17.1570, 0.4742,
0.5258

 236.0753, 0.4105,
0.4414

 10.3465, 0.4718,
0.5282

 284.9606, 0.4055,
0.4354

 5.6293, 0.4683,
0.5317

 340.1675, 0.4008,

 2.6210, 0.4627,

0.4299

0.5373

402.0804, 0.3966,
0.4249

■ 0.9372, 0.4519,
0.5481

■ 0.0000, 0.0000,
0.0000

■ 73.0199, 0.4439,
0.4823

■ 73.0199, 0.4439,
0.4823

■ 71.5333, 0.4478,
0.4826

■ 75.1223, 0.4366,
0.4785

■ 77.3818, 0.4263,
0.4701

■ 79.8208, 0.4135,
0.4572

■ 82.4551, 0.3986,
0.4406

85.2980, 0.3823,
0.4211

88.3619, 0.3654,
0.3998

91.6577, 0.3485,
0.3778

95.1955, 0.3320,
0.3557

98.9849, 0.3164,
0.3342

Harmonies

Analogous

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



73.0199, 0.5036, 0.4128



73.0199, 0.4439, 0.4823



73.0199, 0.3559, 0.5227

Triad

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



73.0199, 0.4439, 0.4823



73.0199, 0.1495, 0.2663



73.0199, 0.3404, 0.2227

Complementary

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



73.0199, 0.4439, 0.4823



9.9114, 0.1568, 0.0793

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.



73.0199, 0.2427, 0.1892



73.0199, 0.4439, 0.4823



73.0199, 0.1477, 0.2040

Square

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



73.0199, 0.4439, 0.4823



73.0199, 0.1871, 0.3732



73.0199, 0.1780, 0.1814



73.0199, 0.4455, 0.2767

Rectangle

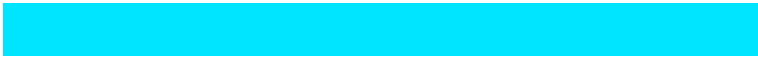
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.0199, 0.4439, 0.4823



73.0199, 0.2924, 0.5081



73.0199, 0.1780, 0.1814



73.0199, 0.3050, 0.2089

Sweetspot

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



73.0234, 0.4439, 0.4823



89.8403, 0.3577, 0.3900



21.9952, 0.6045, 0.3155



18.9309, 0.3651, 0.3994



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.



73.0234, 0.4439, 0.4823



71.5538, 0.4478, 0.4826



80.3657, 0.3612, 0.5479



20.6186, 0.3273, 0.3492



37.5590, 0.4473, 0.4831



3.7736, 0.4436, 0.4860

Inverse Universe

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



9.9114, 0.1568, 0.0793



8.5251, 0.1527, 0.0696



10.4939, 0.1831, 0.0810



17.7995, 0.2979, 0.3080



4.5811, 0.1532, 0.0713



0.5665, 0.1577, 0.0878

Previews

White Background



This preview shows how the Yxy color 73.0199, 0.4439, 0.4823 looks on a white background.

Color Contrast Check

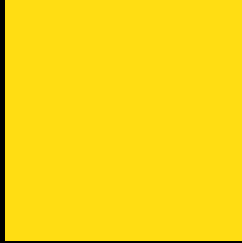
Large Text (above 18pt) WCAG AA × Fail

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 73.0199, 0.4439, 0.4823 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 73.0199, 0.4439, 0.4823

Background



This preview shows how black text looks on a background with the Yxy color 73.0199, 0.4439, 0.4823.



This preview shows how white text looks on a background with the Yxy color 73.0199, 0.4439, 0.4823.

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

73.0199, 0.4439, 0.4823

Protanopia

73.1499, 0.4384, 0.4864

Deuteranopia

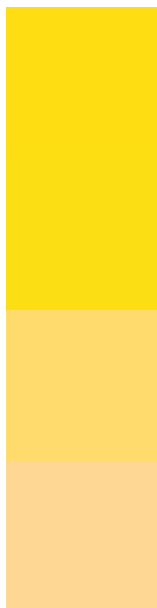
72.8749, 0.3833, 0.3876



Tritanopia

73.1225, 0.3380, 0.3180

Trichromacy



Original Color

73.0199, 0.4439, 0.4823

Protanomaly

72.9885, 0.4408, 0.4845

Deuteranomaly

72.4855, 0.4157, 0.4365

Tritanomaly

71.9990, 0.3915, 0.3976

Monochromacy



Original Color

73.0199, 0.4439, 0.4823

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

65.4601, 0.3745, 0.4120

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.0199, 0.4439, 0.4823 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, 221, 19)` looks like.

```
.text, #text, p{  
    color:rgb(255, 221, 19)  
}
```

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, 221, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 221, 19) }
```

Border

The CSS property to change the border of an element to Yxy 73.0199, 0.4439, 0.4823 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, 221, 19) }
```

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

```
.border{ border-color:rgb(255, 221, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 221, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 221, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 221, 19);  
box-shadow:4px 4px 4px 4px rgb(255, 221,  
19) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 73.0199, 0.4439, 0.4823$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 221, 19) }
```

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

```
.background{ background-color: rgb(255,  
221, 19) }
```

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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