

Converting Colors

$Y_{xy}(71.9748, 0.4305, 0.4743)$

Have a look what the booklet for
Yxy(71.9748, 0.4305, 0.4743)
contains.

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Color

Yxy(71.9748, 0.4305, 0.4743)

Conversions

Conversions Part 1

Format	Color
Hex	F8DD3A
RGB	248, 221, 58
RGB Percent	97%, 87%, 23%
CMY	0.0275, 0.1333, 0.7727
CMYK	0.00, 0.11, 0.77, 0.03
HSL	51°, 93%, 60%
HSV	51°, 77%, 97%
XYZ	65.3282, 71.9748, 14.4466
YIQ	210.4910, 68.4150, -44.9690

Conversions

Conversions Part 2

Format	Color
RYB	89, 248, 58
Decimal	16309562
CIELab	87.96, -6.83, 77.23
CIElCh	88, 77.530, 95.056
Yxy	71.9748, 0.4305, 0.4743
Android (android.graphics.Color)	4294499642 (0xFFFF8DD3A)
YUV	210.4910, -75.1781, 32.8954
Hunter-Lab	84.8380, -11.0153, 49.2904

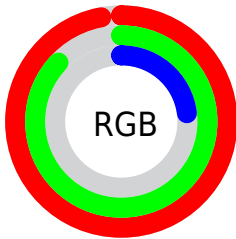
Details

The Yxy color **71.9748, 0.4305, 0.4743** is a light color, and the websafe version is hex **FFCC33**.

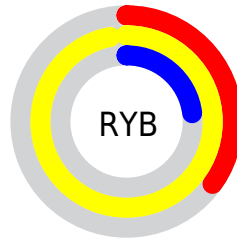
The color can be described as light washed yellow. A complement of this color would be **14.1630, 0.1734, 0.1120**, and the grayscale version is **65.2581, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.0644, 0.3912, 0.4588**, and **37.8372, 0.4405, 0.4884** is the 20% darker color. If you saturate the color by 10%, you get **69.9439, 0.4395, 0.4809**, and if you desaturate by 10%, it is **74.1729, 0.4187, 0.4631**.

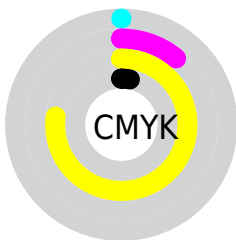
Distribution



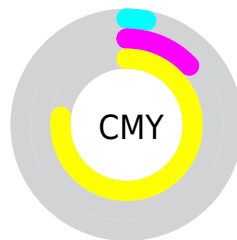
- Red (97%)
- Green (87%)
- Blue (23%)



- Red (35%)
- Yellow (97%)
- Blue (23%)



- Cyan (0%)
- Magenta (11%)
- Yellow (77%)
- Black (3%)




- Cyan (3%)
- Magenta (13%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.9748, 0.4305, 0.4743 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 71.9748, 0.4305, 0.4743 by changing the saturation by 10% instead.


 71.9748, 0.4305,
0.4743


 71.9748, 0.4305,
0.4743


467.4539, 0.3828,
0.4128


 53.1381, 0.4386,
0.4856


 122.0207, 0.4160,
0.4549

 37.9130, 0.4470,
0.4980


 153.9987, 0.4098,
0.4468

 25.9152, 0.4550,
0.5109


 191.1259, 0.4041,
0.4395

 16.7602, 0.4629,
0.5251

 233.7867, 0.3990,
0.4330

 10.0637, 0.4650,
0.5350

 282.3655, 0.3943,
0.4271

 5.4412, 0.4598,
0.5402

337.2467, 0.3901,

 2.5084, 0.4516,

0.4219

0.5484

398.8147, 0.3863,
0.4171

■ 0.8808, 0.4322,
0.5678

■ 0.0000, 0.0000,
0.0000

■ 71.9748, 0.4305,
0.4743

■ 71.9748, 0.4305,
0.4743

■ 69.9439, 0.4395,
0.4809

■ 74.1729, 0.4187,
0.4631

■ 68.0504, 0.4456,
0.4829

■ 76.5436, 0.4046,
0.4479

■ 67.4332, 0.4473,
0.4830

■ 79.1036, 0.3889,
0.4295

■ 81.8649, 0.3722,
0.4088

84.8380, 0.3553,
0.3870

88.0328, 0.3387,
0.3648

91.4583, 0.3228,
0.3430

95.0357, 0.3086,
0.3234

97.2347, 0.3085,
0.3268

Harmonies

Analogous

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



71.9748, 0.4855, 0.4135



71.9748, 0.4305, 0.4743



71.9748, 0.3493, 0.5031

Triad

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



71.9748, 0.4305, 0.4743



71.9748, 0.1616, 0.2688



71.9748, 0.3445, 0.2341

Complementary

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



71.9748, 0.4305, 0.4743



14.1630, 0.1734, 0.1120

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.



71.9748, 0.2543, 0.2014



71.9748, 0.4305, 0.4743



71.9748, 0.1613, 0.2130

Square

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



71.9748, 0.4305, 0.4743



71.9748, 0.1955, 0.3627



71.9748, 0.1918, 0.1929



71.9748, 0.4375, 0.2857

Rectangle

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



71.9748, 0.4305, 0.4743



71.9748, 0.2910, 0.4845



71.9748, 0.1918, 0.1929



71.9748, 0.3123, 0.2207

Sweetspot

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



71.9782, 0.4305, 0.4743



91.5833, 0.3493, 0.3790



23.6564, 0.5456, 0.3079



19.3450, 0.3554, 0.3870



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.



71.9782, 0.4305, 0.4743



73.3914, 0.4432, 0.4825



77.3155, 0.3641, 0.5263



19.7459, 0.3272, 0.3492



36.5892, 0.4468, 0.4834



3.5003, 0.4430, 0.4864

Inverse Universe

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



14.1630, 0.1734, 0.1120



9.9841, 0.1570, 0.0798



14.1194, 0.2047, 0.1077



17.0404, 0.2979, 0.3080



4.4354, 0.1531, 0.0712



0.5277, 0.1579, 0.0885

Previews

White Background



This preview shows how the Yxy color 71.9748, 0.4305, 0.4743 looks on a white background.

Color Contrast Check

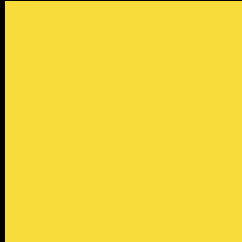
Large Text (above 18pt) WCAG AA × Fail

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 71.9748, 0.4305, 0.4743 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 71.9748, 0.4305, 0.4743

Background



This preview shows how black text looks on a background with the Yxy color 71.9748, 0.4305, 0.4743.



This preview shows how white text looks on a background with the Yxy color 71.9748, 0.4305, 0.4743.

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

71.9748, 0.4305, 0.4743

Protanopia

71.9748, 0.4305, 0.4743

Deuteranopia

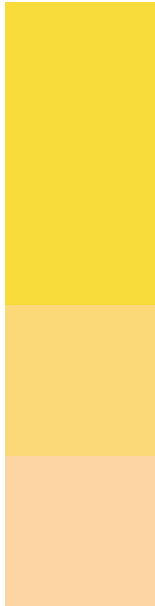
71.7197, 0.3869, 0.3897



Tritanopia

71.6457, 0.3384, 0.3149

Trichromacy



Original Color

71.9748, 0.4305, 0.4743

Protanomaly

71.9748, 0.4305, 0.4743

Deuteranomaly

71.6772, 0.4068, 0.4266

Tritanomaly

70.8926, 0.3798, 0.3822

Monochromacy



Original Color

71.9748, 0.4305, 0.4743

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

66.3070, 0.3621, 0.3956

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.9748, 0.4305, 0.4743 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(248, 221, 58)` looks like.

```
.text, #text, p{  
    color:rgb(248, 221, 58)  
}
```

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(248, 221, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 221, 58) }
```

Border

The CSS property to change the border of an element to Yxy 71.9748, 0.4305, 0.4743 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(248, 221, 58) }
```

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

```
.border{ border-color:rgb(248, 221, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 221, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 221, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 221, 58);  
box-shadow:4px 4px 4px 4px rgb(248, 221,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 71.9748, 0.4305, 0.4743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 221, 58) }
```

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

```
.background{ background-color: rgb(248,  
221, 58) }
```

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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