

Converting Colors

$Y_{xy}(75.0980, 0.4367, 0.4787)$

Have a look what the booklet for
Yxy(75.0980, 0.4367, 0.4787)
contains.

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Color

Yxy(75.2923, 0.4365, 0.4789)

Conversions

Conversions Part 1

Format	Color
Hex	FFE12C
RGB	255, 225, 44
RGB Percent	100%, 88%, 17%
CMY	0.0000, 0.1177, 0.8273
CMYK	0.00, 0.12, 0.83, 0.00
HSL	51°, 100%, 59%
HSV	51°, 83%, 100%
XYZ	68.6262, 75.2923, 13.3007
YIQ	213.3360, 75.9810, -49.9310

Conversions

Conversions Part 2

Format	Color
R_{YB}	79, 255, 44
Decimal	16769324
CIE _{Lab}	89.53, -6.31, 82.71
CIE _{LCh}	90, 82.952, 94.362
Yxy	75.2923, 0.4365, 0.4789
Android (android.graphics.Color)	4294959404 (0xFFFFE12C)
YUV	213.3360, -83.4826, 36.5393
Hunter-Lab	86.7711, -10.6761, 51.6515

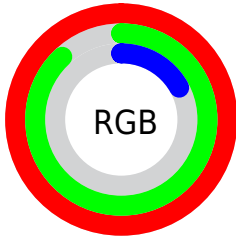
Details

The Yxy color **75.2923, 0.4365, 0.4789** 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 **12.6578, 0.1656, 0.0973**, and the grayscale version is **67.3098, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8627, 0.3952, 0.4654**, and **40.2188, 0.4430, 0.4865** is the 20% darker color. If you saturate the color by 10%, you get **73.2153, 0.4437, 0.4826**, and if you desaturate by 10%, it is **77.5276, 0.4264, 0.4706**.

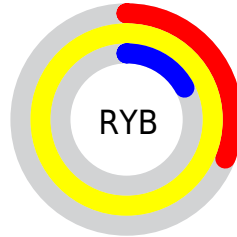
Distribution



Red (100%)

Green (88%)

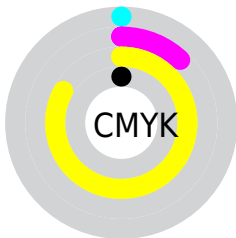
Blue (17%)



Red (31%)

Yellow (100%)

Blue (17%)

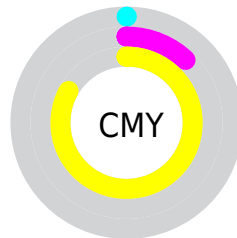


Cyan (0%)

Magenta (12%)

Yellow (83%)

Black (0%)



Cyan (0%)


Magenta (12%)

Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.2923, 0.4365, 0.4789 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 75.2923, 0.4365, 0.4789 by changing the saturation by 10% instead.


 75.2923, 0.4365,
0.4789


 75.2923, 0.4365,
0.4789


478.9216, 0.3876,
0.4171


 55.8524, 0.4444,
0.4898

 126.7260, 0.4220,
0.4599

 40.0846, 0.4525,
0.5013


 159.4887, 0.4156,
0.4518

 27.6045, 0.4598,
0.5130


 197.4610, 0.4098,
0.4444

 18.0277, 0.4678,
0.5267

 241.0273, 0.4045,
0.4378

 10.9699, 0.4673,
0.5327

 290.5722, 0.3997,
0.4319

 6.0466, 0.4629,
0.5371

346.4800, 0.3953,

 2.8734, 0.4559,

0.4265

0.5441

409.1350, 0.3913,
0.4216

■ 1.0660, 0.4433,
0.5567

■ 0.0000, 0.0000,
0.0000

■ 75.2923, 0.4365,
0.4789

■ 75.2923, 0.4365,
0.4789

■ 73.2153, 0.4437,
0.4826


■ 77.5276, 0.4264,
0.4706


■ 71.7862, 0.4474,
0.4830


■ 79.9416, 0.4136,
0.4578

■ 82.5494, 0.3988,
0.4412

■ 85.3646, 0.3826,
0.4217

 88.3995, 0.3657,
0.4005

 91.6651, 0.3488,
0.3784

 95.1715, 0.3324,
0.3563

 98.9283, 0.3168,
0.3347

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



75.2923, 0.4940, 0.4139



75.2923, 0.4365, 0.4789



75.2923, 0.3518, 0.5128

Triad

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



75.2923, 0.4365, 0.4789



75.2923, 0.1555, 0.2669



75.2923, 0.3434, 0.2289

Complementary

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



75.2923, 0.4365, 0.4789



12.6578, 0.1656, 0.0973

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.



75.2923, 0.2494, 0.1955



75.2923, 0.4365, 0.4789



75.2923, 0.1547, 0.2083

Square

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



75.2923, 0.4365, 0.4789



75.2923, 0.1909, 0.3668



75.2923, 0.1854, 0.1872



75.2923, 0.4422, 0.2818

Rectangle

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



75.2923, 0.4365, 0.4789



75.2923, 0.2910, 0.4954



75.2923, 0.1854, 0.1872



75.2923, 0.3097, 0.2152

Sweetspot

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



75.2919, 0.4365, 0.4789



90.9042, 0.3526, 0.3834



23.5808, 0.5711, 0.3100



19.2100, 0.3586, 0.3912



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.



75.2919, 0.4365, 0.4789



71.9810, 0.4469, 0.4829



81.5452, 0.3637, 0.5363



20.6243, 0.3273, 0.3492



37.6788, 0.4469, 0.4834



3.7841, 0.4432, 0.4863

Inverse Universe

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



12.6578, 0.1656, 0.0973



8.6516, 0.1531, 0.0705



12.8659, 0.1956, 0.0953



17.7943, 0.2979, 0.3079



4.5655, 0.1531, 0.0711



0.5641, 0.1576, 0.0875

Previews

White Background



This preview shows how the Yxy color 75.2923, 0.4365, 0.4789 looks on a white background.

Color Contrast Check

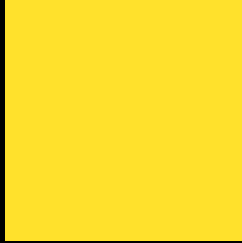
Large Text (above 18pt) WCAG AA × Fail

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 75.2923, 0.4365, 0.4789 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 75.2923, 0.4365, 0.4789

Background



This preview shows how black text looks on a background with the Yxy color 75.2923, 0.4365, 0.4789.



This preview shows how white text looks on a background with the Yxy color 75.2923, 0.4365, 0.4789.

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

75.2923, 0.4365, 0.4789

Protanopia

75.4572, 0.4342, 0.4807

Deuteranopia

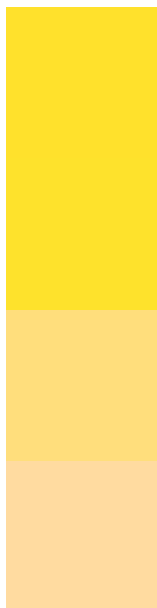
75.3487, 0.3740, 0.3803



Tritanopia

75.3519, 0.3346, 0.3180

Trichromacy



Original Color

75.2923, 0.4365, 0.4789

Protanomaly

75.6454, 0.4350, 0.4802

Deuteranomaly

74.9578, 0.4040, 0.4265

Tritanomaly

74.4611, 0.3814, 0.3895

Monochromacy



Original Color

75.2923, 0.4365, 0.4789

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

68.3867, 0.3665, 0.4012

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.2923, 0.4365, 0.4789 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, 225, 44)` looks like.

```
.text, #text, p{  
    color:rgb(255, 225, 44)  
}
```

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, 225, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 225, 44) }
```

Border

The CSS property to change the border of an element to Yxy 75.2923, 0.4365, 0.4789 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, 225, 44) }
```

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

```
.border{ border-color:rgb(255, 225, 44) }
```

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

Here you see how a box with a 4 pixel rgb(255, 225, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 225, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 225, 44);  
box-shadow:4px 4px 4px 4px rgb(255, 225,  
44) }
```


Background

The CSS property to change the background color of an element to `rgb(255, 225, 44)` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 225, 44) }
```

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

```
.background{ background-color: rgb(255,  
225, 44) }
```

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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