

Converting Colors

$Y_{xy}(75.6749, 0.4253, 0.4626)$

Have a look what the booklet for
Yxy(75.6749, 0.4253, 0.4626)
contains.

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Color

Yxy(75.6749, 0.4253, 0.4626)

Conversions

Conversions Part 1

Format	Color
Hex	FFE14F
RGB	255, 225, 79
RGB Percent	100%, 88%, 31%
CMY	0.0001, 0.1176, 0.6902
CMYK	0.00, 0.12, 0.69, 0.00
HSL	50°, 100%, 65%
HSV	50°, 69%, 100%
XYZ	69.5731, 75.6749, 18.3380
YIQ	217.3260, 64.7460, -39.0460

Conversions

Conversions Part 2

Format	Color
R_{YB}	115, 255, 79
Decimal	16769359
CIE _{Lab}	89.71, -5.03, 71.81
CIE _{LCh}	90, 71.982, 94.003
Yxy	75.6749, 0.4253, 0.4626
Android (android.graphics.Color)	4294959439 (0xFFFFE14F)
YUV	217.3260, -68.1947, 33.0401
Hunter-Lab	86.9913, -9.4757, 48.3954

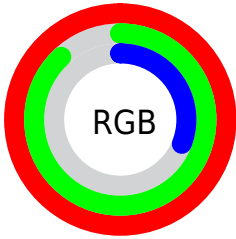
Details

The Yxy color **75.6749, 0.4253, 0.4626** 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 **19.8160, 0.1863, 0.1380**, and the grayscale version is **70.0693, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5293, 0.3824, 0.4443**, and **40.3603, 0.4434, 0.4850** is the 20% darker color. If you saturate the color by 10%, you get **73.0568, 0.4374, 0.4723**, and if you desaturate by 10%, it is **78.5023, 0.4108, 0.4486**.

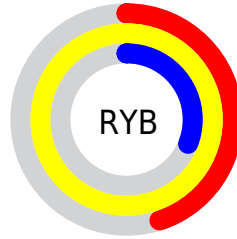
Distribution



Red (100%)

Green (88%)

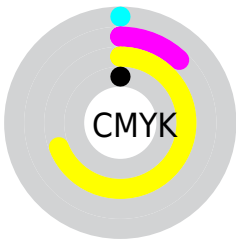
Blue (31%)



Red (45%)

Yellow (100%)

Blue (31%)

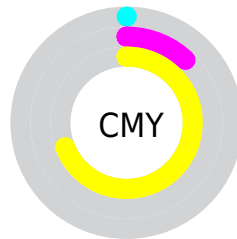


Cyan (0%)

Magenta (12%)

Yellow (69%)

Black (0%)



Cyan (0%)


Magenta (12%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.6749, 0.4253, 0.4626 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 75.6749, 0.4253, 0.4626 by changing the saturation by 10% instead.


 75.6749, 0.4253,
0.4626


 75.6749, 0.4253,
0.4626


480.2341, 0.3788,
0.4057

 56.1660, 0.4337,
0.4734


 127.2673, 0.4108,
0.4445

 40.3360, 0.4428,
0.4854


 160.1195, 0.4047,
0.4369


 27.8006, 0.4522,
0.4984


 198.1882, 0.3992,
0.4302

 18.1754, 0.4609,
0.5117

 241.8579, 0.3942,
0.4242

 11.0760, 0.4715,
0.5285

 291.5130, 0.3898,
0.4189

 6.1180, 0.4680,
0.5320

347.5378, 0.3857,

 2.9170, 0.4625,

0.4140

0.5375

410.3167, 0.3821,
0.4097

■ 1.0885, 0.4526,
0.5474

■ 0.0000, 0.0000,
0.0000

■ 75.6749, 0.4253,
0.4626

■ 75.6749, 0.4253,
0.4626

■ 73.0568, 0.4374,
0.4723

■ 78.5023, 0.4108,
0.4486

■ 70.6194, 0.4467,
0.4773

■ 81.5431, 0.3946,
0.4313

■ 68.3404, 0.4531,
0.4780

■ 84.8141, 0.3774,
0.4115

■ 68.1210, 0.4537,
0.4779

■ 88.3273, 0.3600,
0.3904

■ 92.0935, 0.3429,
0.3688

■ 96.1227, 0.3266,
0.3475

99.9974, 0.3127,
0.3290

Harmonies

Analogous

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



75.6749, 0.4735, 0.4075



75.6749, 0.4253, 0.4626



75.6749, 0.3510, 0.4875

Triad

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



75.6749, 0.4253, 0.4626



75.6749, 0.1730, 0.2774



75.6749, 0.3392, 0.2396

Complementary

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



75.6749, 0.4253, 0.4626



19.8160, 0.1863, 0.1380

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.



75.6749, 0.2568, 0.2096



75.6749, 0.4253, 0.4626



75.6749, 0.1713, 0.2235

Square

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



75.6749, 0.4253, 0.4626



75.6749, 0.2066, 0.3637



75.6749, 0.1992, 0.2028



75.6749, 0.4242, 0.2877

Rectangle

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



75.6749, 0.4253, 0.4626



75.6749, 0.2970, 0.4709



75.6749, 0.1992, 0.2028



75.6749, 0.3099, 0.2273

Sweetspot

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



75.6785, 0.4253, 0.4626



91.3358, 0.3462, 0.3731



28.0046, 0.5046, 0.3012



19.3245, 0.3509, 0.3791



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.



75.6785, 0.4253, 0.4626



72.0729, 0.4415, 0.4749



84.2538, 0.3673, 0.5091



20.5330, 0.3273, 0.3486



35.7927, 0.4530, 0.4785



3.6179, 0.4485, 0.4821

Inverse Universe

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



19.8160, 0.1863, 0.1380



13.3913, 0.1667, 0.1020



17.9416, 0.2121, 0.1236



17.8777, 0.2979, 0.3087



4.8370, 0.1541, 0.0748



0.6034, 0.1591, 0.0926

Previews

White Background



This preview shows how the Yxy color 75.6749, 0.4253, 0.4626 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 75.6749, 0.4253, 0.4626 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 75.6749, 0.4253, 0.4626

Background



This preview shows how black text looks on a background with the Yxy color 75.6749, 0.4253, 0.4626.



This preview shows how white text looks on a background with the Yxy color 75.6749, 0.4253, 0.4626.

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

75.6749, 0.4253, 0.4626

Protanopia

75.6527, 0.4224, 0.4648

Deuteranopia

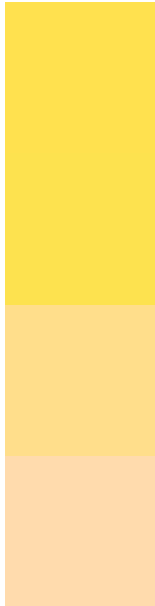
75.4635, 0.3718, 0.3773



Tritanopia

75.3519, 0.3346, 0.3180

Trichromacy



Original Color

75.6749, 0.4253, 0.4626

Protanomaly

75.8399, 0.4231, 0.4643

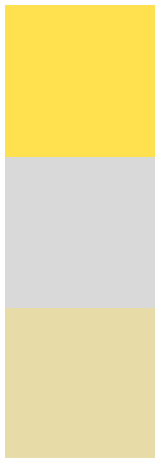
Deuteranomaly

75.3666, 0.3945, 0.4128

Tritanomaly

74.9402, 0.3722, 0.3763

Monochromacy



Original Color

75.6749, 0.4253, 0.4626

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

70.9653, 0.3575, 0.3872

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.6749, 0.4253, 0.4626 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, 79)` looks like.

```
.text, #text, p{  
    color:rgb(255, 225, 79)  
}
```

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, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 225, 79) }
```

Border

The CSS property to change the border of an element to Yxy 75.6749, 0.4253, 0.4626 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, 79) }
```

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

```
.border{ border-color:rgb(255, 225, 79) }
```

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, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 225, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 225, 79);  
box-shadow:4px 4px 4px 4px rgb(255, 225,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 75.6749, 0.4253, 0.4626 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, 79) }
```

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

```
.background{ background-color: rgb(255,  
225, 79) }
```

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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