

Converting Colors

$Y_{xy}(73.7999, 0.4239, 0.4540)$

Have a look what the booklet for
Yxy(73.7999, 0.4239, 0.4540)
contains.

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Color

Yxy(73.6775, 0.4241, 0.4538)

Conversions

Conversions Part 1

Format	Color
Hex	FFDD58
RGB	255, 221, 88
RGB Percent	100%, 87%, 35%
CMY	0.0000, 0.1333, 0.6549
CMYK	0.00, 0.13, 0.65, 0.00
HSL	48°, 100%, 67%
HSV	48°, 65%, 100%
XYZ	68.8555, 73.6775, 19.8238
YIQ	216.0040, 62.9570, -34.1550

Conversions

Conversions Part 2

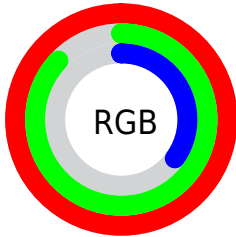
Format	Color
R_{YB}	131, 255, 88
Decimal	16768344
CIE Lab	88.77, -2.54, 67.28
CIE LCh	89, 67.331, 92.158
Yxy	73.6775, 0.4241, 0.4538
Android (android.graphics.Color)	4294958424 (0xFFFFDD58)
YUV	216.0040, -63.1060, 34.1995
Hunter-Lab	85.8356, -7.0234, 46.3919

Details

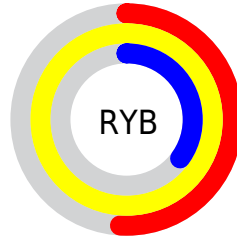
The Yxy color **73.6775, 0.4241, 0.4538** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light muted yellow. A complement of this color would be **23.2086, 0.1938, 0.1549**, and the grayscale version is **69.0799, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7632, 0.3782, 0.4373**, and **38.9537, 0.4435, 0.4754** is the 20% darker color. If you saturate the color by 10%, you get **70.6317, 0.4383, 0.4646**, and if you desaturate by 10%, it is **76.9627, 0.4078, 0.4390**.

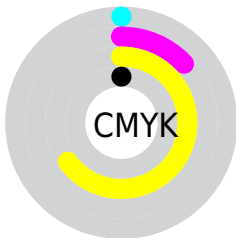
Distribution



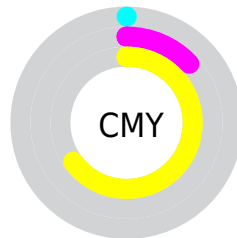
- Red (100%)
- Green (87%)
- Blue (35%)



- Red (51%)
- Yellow (100%)
- Blue (35%)



- Cyan (0%)
- Magenta (13%)
- Yellow (65%)
- Black (0%)




- Cyan (0%)
- Magenta (13%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.6775, 0.4241, 0.4538 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 73.6775, 0.4241, 0.4538 by changing the saturation by 10% instead.


 73.6775, 0.4241,
0.4538


 73.6775, 0.4241,
0.4538

473.3596, 0.3770,
0.4002


 54.5301, 0.4330,
0.4641


 124.4385, 0.4091,
0.4366


 39.0256, 0.4428,
0.4758


 156.8210, 0.4029,
0.4295

 26.7797, 0.4534,
0.4885


 194.3839, 0.3973,
0.4231

 17.4078, 0.4640,
0.5017

 237.5117, 0.3923,
0.4175

 10.5257, 0.4792,
0.5208

286.5888, 0.3879,
0.4125

 5.7489, 0.4774,
0.5226

341.9995, 0.3839,

 2.6930, 0.4745,

0.4080

0.5255

404.1283, 0.3802,
0.4039

■ 0.9736, 0.4693,
0.5307

■ 0.0000, 0.0000,
0.0000

■ 73.6775, 0.4241,
0.4538

■ 73.6775, 0.4241,
0.4538

■ 70.6317, 0.4383,
0.4646

■ 76.9627, 0.4078,
0.4390

■ 67.7979, 0.4498,
0.4708

■ 80.4914, 0.3903,
0.4212

■ 65.1587, 0.4583,
0.4723

■ 84.2800, 0.3722,
0.4015

■ 64.0187, 0.4615,
0.4718

■ 88.3404, 0.3544,
0.3808

■ 92.6835, 0.3372,
0.3600

■ 97.3194, 0.3211,
0.3398

99.9983, 0.3127,
0.3290

Harmonies

Analogous

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



73.6775, 0.4669, 0.4014



73.6775, 0.4241, 0.4538



73.6775, 0.3547, 0.4783

Triad

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



73.6775, 0.4241, 0.4538



73.6775, 0.1808, 0.2851



73.6775, 0.3329, 0.2415

Complementary

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



73.6775, 0.4241, 0.4538



23.2086, 0.1938, 0.1549

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.



73.6775, 0.2557, 0.2139



73.6775, 0.4241, 0.4538



73.6775, 0.1770, 0.2312

Square

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



73.6775, 0.4241, 0.4538



73.6775, 0.2153, 0.3675



73.6775, 0.2021, 0.2091



73.6775, 0.4137, 0.2869

Rectangle

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



73.6775, 0.4241, 0.4538



73.6775, 0.3033, 0.4646



73.6775, 0.2021, 0.2091



73.6775, 0.3053, 0.2300

Sweetspot

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



73.6810, 0.4241, 0.4538



90.6960, 0.3449, 0.3694



29.6976, 0.4819, 0.2958



19.1530, 0.3497, 0.3752



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.



73.6810, 0.4241, 0.4538



69.6187, 0.4427, 0.4674



85.5819, 0.3701, 0.4992



20.4259, 0.3274, 0.3478



33.6733, 0.4606, 0.4725



3.4299, 0.4550, 0.4769

Inverse Universe

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



23.2086, 0.1938, 0.1549



16.0942, 0.1733, 0.1182



19.3759, 0.2139, 0.1312



17.9763, 0.2979, 0.3095



5.2182, 0.1556, 0.0799



0.6545, 0.1609, 0.0992

Previews

White Background



This preview shows how the Yxy color 73.6775, 0.4241, 0.4538 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 73.6775, 0.4241, 0.4538 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 73.6775, 0.4241, 0.4538

Background



This preview shows how black text looks on a background with the Yxy color 73.6775, 0.4241, 0.4538.



This preview shows how white text looks on a background with the Yxy color 73.6775, 0.4241, 0.4538.

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

73.6775, 0.4241, 0.4538

Protanopia

73.6364, 0.4177, 0.4573

Deuteranopia

73.6023, 0.3786, 0.3825



Tritanopia

73.6747, 0.3371, 0.3180

Trichromacy



Original Color

73.6775, 0.4241, 0.4538

Protanomaly

73.4731, 0.4199, 0.4557

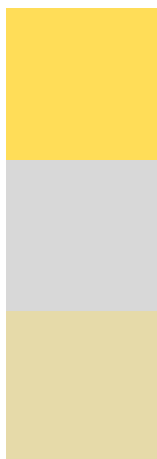
Deuteranomaly

73.2090, 0.3977, 0.4111

Tritanomaly

72.9169, 0.3727, 0.3713

Monochromacy



Original Color

73.6775, 0.4241, 0.4538

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

69.8304, 0.3558, 0.3831

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.6775, 0.4241, 0.4538 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, 88)` looks like.

```
.text, #text, p{  
    color:rgb(255, 221, 88)  
}
```

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, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 221, 88) }
```

Border

The CSS property to change the border of an element to Yxy 73.6775, 0.4241, 0.4538 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, 88) }
```

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

```
.border{ border-color:rgb(255, 221, 88) }
```

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, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 221, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 221, 88);  
box-shadow:4px 4px 4px 4px rgb(255, 221,  
88) }
```


Background

The CSS property to change the background color of an element to `rgb(73.6775, 0.4241, 0.4538)` 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, 88) }
```

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

```
.background{ background-color: rgb(255,  
221, 88) }
```

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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