

Converting Colors

$Y_{xy}(72.9183, 0.4254, 0.4531)$

Have a look what the booklet for
Yxy(72.9183, 0.4254, 0.4531)
contains.

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Color

Yxy(73.1345, 0.4252, 0.4537)

Conversions

Conversions Part 1

Format	Color
Hex	FFDC57
RGB	255, 220, 87
RGB Percent	100%, 86%, 34%
CMY	0.0002, 0.1372, 0.6588
CMYK	0.00, 0.14, 0.66, 0.00
HSL	48°, 100%, 67%
HSV	48°, 66%, 100%
XYZ	68.5404, 73.1345, 19.5208
YIQ	215.3030, 63.5530, -33.9430

Conversions

Conversions Part 2

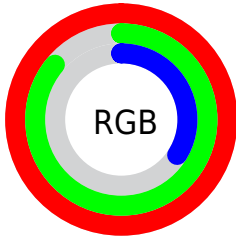
Format	Color
RYB	131, 255, 87
Decimal	16768087
CIELab	88.51, -2.11, 67.42
CIELCh	89, 67.452, 91.792
Yxy	73.1345, 0.4252, 0.4537
Android (android.graphics.Color)	4294958167 (0xFFFFDC57)
YUV	215.3030, -63.2534, 34.8143
Hunter-Lab	85.5187, -6.5959, 46.3294

Details

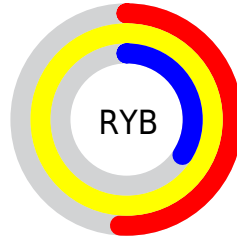
The Yxy color **73.1345, 0.4252, 0.4537** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light muted yellow. A complement of this color would be **23.1457, 0.1934, 0.1547**, and the grayscale version is **68.5755, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7330, 0.3788, 0.4382**, and **38.5870, 0.4449, 0.4749** is the 20% darker color. If you saturate the color by 10%, you get **70.0526, 0.4395, 0.4643**, and if you desaturate by 10%, it is **76.4588, 0.4088, 0.4391**.

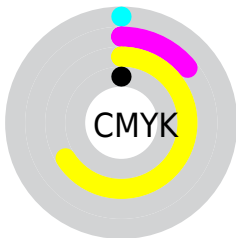
Distribution



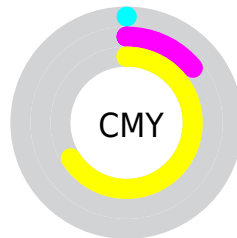
- Red (100%)
- Green (86%)
- Blue (34%)



- Red (51%)
- Yellow (100%)
- Blue (34%)



- Cyan (0%)
- Magenta (14%)
- Yellow (66%)
- Black (0%)





- Cyan (0%)
- Magenta (14%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.1345, 0.4252, 0.4537 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 73.1345, 0.4252, 0.4537 by changing the saturation by 10% instead.


 73.1345, 0.4252,
0.4537

 73.1345, 0.4252,
0.4537


471.4808, 0.3775,
0.4002


 54.0859, 0.4342,
0.4640


 123.6681, 0.4100,
0.4365

 38.6704, 0.4442,
0.4755


 155.9220, 0.4037,
0.4294

 26.5034, 0.4549,
0.4881


 193.3464, 0.3981,
0.4231

 17.2006, 0.4655,
0.5011

 236.3258, 0.3931,
0.4175

 10.3776, 0.4805,
0.5195

285.2446, 0.3886,
0.4125

 5.6500, 0.4790,
0.5210

340.4870, 0.3845,

 2.6335, 0.4766,

0.4080

0.5234

402.4377, 0.3809,
0.4039

■ 0.9435, 0.4722,
0.5278

■ 0.0000, 0.0000,
0.0000

■ 73.1345, 0.4252,
0.4537

■ 73.1345, 0.4252,
0.4537

■ 70.0526, 0.4395,
0.4643

■ 76.4588, 0.4088,
0.4391

■ 67.1854, 0.4511,
0.4703

■ 80.0296, 0.3912,
0.4215


■ 64.5155, 0.4596,
0.4714

■ 83.8636, 0.3731,
0.4019

■ 63.4590, 0.4625,
0.4709

■ 87.9726, 0.3551,
0.3813

 92.3677, 0.3379,
0.3606

 97.0590, 0.3217,
0.3405

99.9908, 0.3127,
0.3290

Harmonies

Analogous

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



73.1345, 0.4678, 0.4009



73.1345, 0.4252, 0.4537



73.1345, 0.3558, 0.4789

Triad

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



73.1345, 0.4252, 0.4537



73.1345, 0.1805, 0.2857



73.1345, 0.3319, 0.2408

Complementary

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



73.1345, 0.4252, 0.4537



23.1457, 0.1934, 0.1547

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.



73.1345, 0.2546, 0.2133



73.1345, 0.4252, 0.4537



73.1345, 0.1764, 0.2313

Square

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



73.1345, 0.4252, 0.4537



73.1345, 0.2155, 0.3687



73.1345, 0.2013, 0.2088



73.1345, 0.4132, 0.2861

Rectangle

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



73.1345, 0.4252, 0.4537



73.1345, 0.3041, 0.4658



73.1345, 0.2013, 0.2088



73.1345, 0.3043, 0.2293

Sweetspot

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



73.1380, 0.4252, 0.4537



90.5582, 0.3449, 0.3692



29.5078, 0.4835, 0.2958



19.1196, 0.3498, 0.3750



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.



73.1380, 0.4252, 0.4537



69.1635, 0.4434, 0.4667



85.4954, 0.3702, 0.5000



20.4115, 0.3274, 0.3477



33.3957, 0.4617, 0.4716



3.4051, 0.4559, 0.4762

Inverse Universe

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



23.1457, 0.1934, 0.1547



16.2567, 0.1736, 0.1192



19.1509, 0.2132, 0.1302



17.9897, 0.2979, 0.3096



5.2750, 0.1558, 0.0807



0.6618, 0.1611, 0.1001

Previews

White Background



This preview shows how the Yxy color 73.1345, 0.4252, 0.4537 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 73.1345, 0.4252, 0.4537 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 73.1345, 0.4252, 0.4537

Background



This preview shows how black text looks on a background with the Yxy color 73.1345, 0.4252, 0.4537.



This preview shows how white text looks on a background with the Yxy color 73.1345, 0.4252, 0.4537.

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

73.1345, 0.4252, 0.4537

Protanopia

73.4364, 0.4174, 0.4585

Deuteranopia

73.0161, 0.3804, 0.3836



Tritanopia

73.1225, 0.3380, 0.3180

Trichromacy



Original Color

73.1345, 0.4252, 0.4537

Protanomaly

73.4564, 0.4204, 0.4563

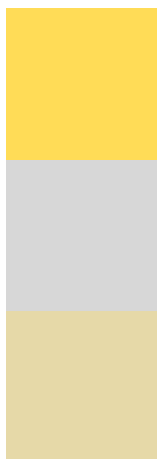
Deuteranomaly

72.6350, 0.3995, 0.4120

Tritanomaly

72.3703, 0.3737, 0.3714

Monochromacy



Original Color

73.1345, 0.4252, 0.4537

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

69.2759, 0.3568, 0.3831

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.1345, 0.4252, 0.4537 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, 220, 87)` looks like.

```
.text, #text, p{  
    color:rgb(255, 220, 87)  
}
```

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, 220, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 220, 87) }
```

Border

The CSS property to change the border of an element to Yxy 73.1345, 0.4252, 0.4537 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, 220, 87) }
```

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

```
.border{ border-color:rgb(255, 220, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 220, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 220, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 220, 87);  
box-shadow:4px 4px 4px 4px rgb(255, 220,  
87) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 73.1345, 0.4252, 0.4537$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 220, 87) }
```

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

```
.background{ background-color: rgb(255,  
220, 87) }
```

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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