

Converting Colors

$Y_{xy}(74.5185, 0.4358, 0.4446)$

Have a look what the booklet for
Yxy(74.5185, 0.4358, 0.4446)
contains.

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Color

Yxy(72.1241, 0.4257, 0.4507)

Conversions

Conversions Part 1

Format	Color
Hex	FFDA59
RGB	255, 218, 89
RGB Percent	100%, 85%, 35%
CMY	0.0000, 0.1451, 0.6510
CMYK	0.00, 0.15, 0.65, 0.00
HSL	47°, 100%, 67%
HSV	47°, 65%, 100%
XYZ	68.1234, 72.1241, 19.7793
YIQ	214.3570, 63.4610, -32.2750

Conversions

Conversions Part 2

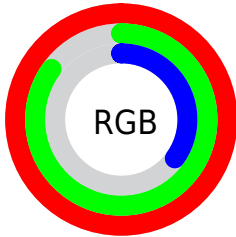
Format	Color
RYB	137, 255, 89
Decimal	16767577
CIELab	88.03, -0.94, 66.09
CIELCh	88, 66.096, 90.811
Yxy	72.1241, 0.4257, 0.4507
Android (android.graphics.Color)	4294957657 (0xFFFFDA59)
YUV	214.3570, -61.8010, 35.6439
Hunter-Lab	84.9259, -5.4363, 45.6394

Details

The Yxy color **72.1241, 0.4257, 0.4507** 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 **24.2643, 0.1954, 0.1600**, and the grayscale version is **67.8873, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7936, 0.3777, 0.4365**, and **37.8902, 0.4458, 0.4714** is the 20% darker color. If you saturate the color by 10%, you get **68.8668, 0.4407, 0.4614**, and if you desaturate by 10%, it is **75.6251, 0.4087, 0.4361**.

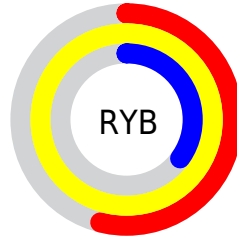
Distribution



Red (100%)

Green (85%)

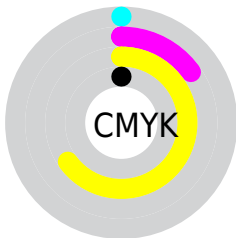
Blue (35%)



Red (54%)

Yellow (100%)

Blue (35%)

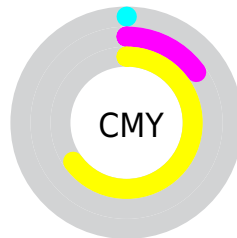


Cyan (0%)

Magenta (15%)

Yellow (65%)

Black (0%)



Cyan (0%)


Magenta (15%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.1241, 0.4257, 0.4507 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 72.1241, 0.4257, 0.4507 by changing the saturation by 10% instead.


 72.1241, 0.4257,
0.4507


 72.1241, 0.4257,
0.4507


467.9734, 0.3774,
0.3984

 53.2601, 0.4349,
0.4608


 122.2330, 0.4103,
0.4339


 38.0104, 0.4452,
0.4721


 154.2465, 0.4038,
0.4270

 25.9908, 0.4564,
0.4844


 191.4121, 0.3981,
0.4208

 16.8167, 0.4678,
0.4972

 234.1141, 0.3931,
0.4153

 10.1039, 0.4843,
0.5157

282.7368, 0.3885,
0.4104

 5.4679, 0.4836,
0.5164

337.6646, 0.3844,

 2.5243, 0.4825,

0.4060

0.5175

399.2821, 0.3808,
0.4020

0.8888, 0.4805,
0.5195

0.0000, 0.0000,
0.0000

72.1241, 0.4257,
0.4507

72.1241, 0.4257,
0.4507

68.8668, 0.4407,
0.4614

75.6251, 0.4087,
0.4361

65.8447, 0.4531,
0.4675


79.3931, 0.3906,
0.4185

63.0341, 0.4624,
0.4688

83.4384, 0.3721,
0.3991

61.7203, 0.4662,
0.4681

87.7731, 0.3540,
0.3788

 92.4082, 0.3367,
0.3585

 97.3541, 0.3205,
0.3387

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.



72.1241, 0.4663, 0.3984



72.1241, 0.4257, 0.4507



72.1241, 0.3579, 0.4765

Triad

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



72.1241, 0.4257, 0.4507



72.1241, 0.1829, 0.2888



72.1241, 0.3290, 0.2407

Complementary

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



72.1241, 0.4257, 0.4507



24.2643, 0.1954, 0.1600

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.



72.1241, 0.2534, 0.2143



72.1241, 0.4257, 0.4507



72.1241, 0.1778, 0.2340

Square

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



72.1241, 0.4257, 0.4507



72.1241, 0.2186, 0.3710



72.1241, 0.2015, 0.2107



72.1241, 0.4093, 0.2851

Rectangle

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



72.1241, 0.4257, 0.4507



72.1241, 0.3069, 0.4647



72.1241, 0.2015, 0.2107



72.1241, 0.3019, 0.2296

Sweetspot

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



72.1213, 0.4257, 0.4507



90.0995, 0.3450, 0.3684



29.9547, 0.4765, 0.2931



19.0085, 0.3499, 0.3742



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.



72.1213, 0.4257, 0.4507



67.9677, 0.4446, 0.4637



86.0503, 0.3718, 0.4972



20.3633, 0.3275, 0.3474



32.4831, 0.4652, 0.4688



3.3236, 0.4589, 0.4738

Inverse Universe

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



24.2643, 0.1954, 0.1600



17.2621, 0.1757, 0.1249



19.3711, 0.2126, 0.1314



18.0343, 0.2979, 0.3100



5.4737, 0.1565, 0.0833



0.6871, 0.1620, 0.1033

Previews

White Background



This preview shows how the Yxy color 72.1241, 0.4257, 0.4507 looks on a white background.

Color Contrast Check

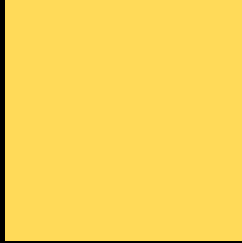
Large Text (above 18pt) WCAG AA × Fail

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 72.1241, 0.4257, 0.4507 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 72.1241, 0.4257, 0.4507

Background



This preview shows how black text looks on a background with the Yxy color 72.1241, 0.4257, 0.4507.



This preview shows how white text looks on a background with the Yxy color 72.1241, 0.4257, 0.4507.

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

72.1241, 0.4257, 0.4507

Protanopia

72.0439, 0.4162, 0.4564

Deuteranopia

71.8218, 0.3848, 0.3867



Tritanopia

72.0282, 0.3397, 0.3179

Trichromacy



Original Color

72.1241, 0.4257, 0.4507

Protanomaly

72.0643, 0.4192, 0.4542

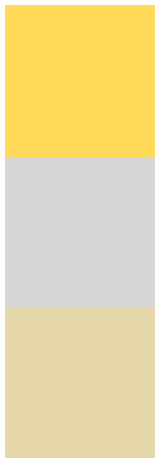
Deuteranomaly

71.5543, 0.4018, 0.4121

Tritanomaly

71.3255, 0.3751, 0.3704

Monochromacy



Original Color

72.1241, 0.4257, 0.4507

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

68.1235, 0.3558, 0.3801

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.1241, 0.4257, 0.4507 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, 218, 89)` looks like.

```
.text, #text, p{  
    color:rgb(255, 218, 89)  
}
```

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, 218, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 218, 89) }
```

Border

The CSS property to change the border of an element to Yxy 72.1241, 0.4257, 0.4507 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, 218, 89) }
```

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

```
.border{ border-color:rgb(255, 218, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 218, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 218, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 218, 89);  
box-shadow:4px 4px 4px 4px rgb(255, 218,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 72.1241, 0.4257, 0.4507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 218, 89) }
```

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

```
.background{ background-color: rgb(255,  
218, 89) }
```

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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