

Converting Colors

$Y_{xy}(71.7587, 0.4032, 0.4330)$

Have a look what the booklet for
Yxy(71.7587, 0.4032, 0.4330)
contains.

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Color

Yxy(71.7215, 0.4036, 0.4327)

Conversions

Conversions Part 1

Format	Color
Hex	F7DB75
RGB	247, 219, 117
RGB Percent	97%, 86%, 46%
CMY	0.0314, 0.1411, 0.5413
CMYK	0.00, 0.11, 0.53, 0.03
HSL	47°, 89%, 71%
HSV	47°, 53%, 97%
XYZ	66.8981, 71.7215, 27.1338
YIQ	215.7440, 49.4300, -25.7860

Conversions

Conversions Part 2

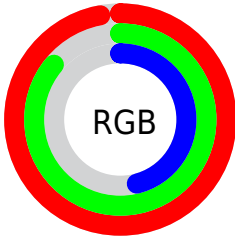
Format	Color
R _Y B	153, 247, 117
Decimal	16243573
CIE Lab	87.83, -2.80, 53.17
CIE LCh	88, 53.241, 93.014
Yxy	71.7215, 0.4036, 0.4327
Android (android.graphics.Color)	4294433653 (0xFFF7DB75)
YUV	215.7440, -48.6808, 27.4115
Hunter-Lab	84.6885, -7.2023, 40.2857

Details

The Yxy color **71.7215, 0.4036, 0.4327** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **30.7300, 0.2179, 0.1956**, and the grayscale version is **68.7978, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7203, 0.3626, 0.4115**, and **37.6239, 0.4212, 0.4532** is the 20% darker color. If you saturate the color by 10%, you get **68.4886, 0.4207, 0.4483**, and if you desaturate by 10%, it is **75.2030, 0.3856, 0.4145**.

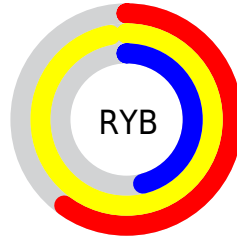
Distribution



Red (97%)

Green (86%)

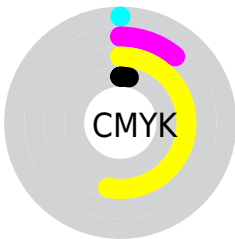
Blue (46%)



Red (60%)

Yellow (97%)

Blue (46%)

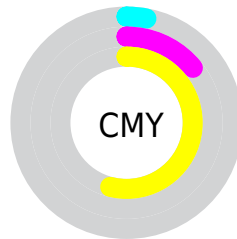


Cyan (0%)

Magenta (11%)

Yellow (53%)

Black (3%)



Cyan (3%)


Magenta (14%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.7215, 0.4036, 0.4327 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 71.7215, 0.4036, 0.4327 by changing the saturation by 10% instead.

 71.7215, 0.4036,
0.4327

 71.7215, 0.4036,
0.4327


466.5717, 0.3635,
0.3863

 52.9312, 0.4118,
0.4424

 121.6605, 0.3904,
0.4172

 37.7479, 0.4214,
0.4538


 153.5780, 0.3850,
0.4110

 25.7870, 0.4324,
0.4671


 190.6400, 0.3803,
0.4056

 16.6644, 0.4448,
0.4826

233.2309, 0.3761,
0.4008

 9.9955, 0.4580,
0.4998

281.7352, 0.3725,
0.3966

 5.3960, 0.4761,
0.5239

336.5371, 0.3692,

 2.4814, 0.4728,

0.3928

0.5272

398.0211, 0.3662,
0.3894

0.8673, 0.4657,
0.5343

0.0000, 0.0000,
0.0000

71.7215, 0.4036,
0.4327

71.7215, 0.4036,
0.4327

68.4886, 0.4207,
0.4483

75.2030, 0.3856,
0.4145

65.4809, 0.4360,
0.4602


78.9348, 0.3673,
0.3946


62.6869, 0.4488,
0.4676


82.9311, 0.3495,
0.3742


60.0885, 0.4586,
0.4702

87.2017, 0.3325,
0.3538

 58.2834, 0.4642,
0.4696

 91.7560, 0.3167,
0.3341

 95.9311, 0.3079,
0.3250

 98.5141, 0.3078,
0.3290

Harmonies

Analogous

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



71.7215, 0.4372, 0.3929



71.7215, 0.4036, 0.4327



71.7215, 0.3474, 0.4469

Triad

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



71.7215, 0.4036, 0.4327



71.7215, 0.2038, 0.2939



71.7215, 0.3316, 0.2579

Complementary

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



71.7215, 0.4036, 0.4327



30.7300, 0.2179, 0.1956

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.



71.7215, 0.2687, 0.2341



71.7215, 0.4036, 0.4327



71.7215, 0.2007, 0.2494

Square

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



71.7215, 0.4036, 0.4327



71.7215, 0.2330, 0.3583



71.7215, 0.2229, 0.2302



71.7215, 0.3950, 0.2968

Rectangle

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



71.7215, 0.4036, 0.4327



71.7215, 0.3053, 0.4334



71.7215, 0.2229, 0.2302



71.7215, 0.3095, 0.2480

Sweetspot

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



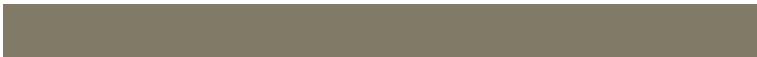
71.7249, 0.4036, 0.4327



92.1694, 0.3382, 0.3606



34.5356, 0.4324, 0.2997



19.5246, 0.3416, 0.3648



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.



71.7249, 0.4036, 0.4327



73.4817, 0.4214, 0.4489



81.5290, 0.3629, 0.4690



18.6727, 0.3274, 0.3475



31.0407, 0.4633, 0.4703



2.8751, 0.4567, 0.4756

Inverse Universe

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



30.7300, 0.2179, 0.1956



25.3003, 0.1987, 0.1646



26.2792, 0.2368, 0.1708



16.5048, 0.2979, 0.3099



5.0738, 0.1562, 0.0822



0.5905, 0.1623, 0.1042

Previews

White Background



This preview shows how the Yxy color 71.7215, 0.4036, 0.4327 looks on a white background.

Color Contrast Check

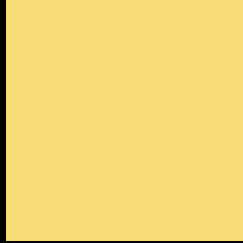
Large Text (above 18pt) WCAG AA × Fail

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 71.7215, 0.4036, 0.4327 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 71.7215, 0.4036, 0.4327

Background



This preview shows how black text looks on a background with the Yxy color 71.7215, 0.4036, 0.4327.

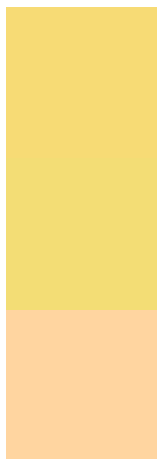


This preview shows how white text looks on a background with the Yxy color 71.7215, 0.4036, 0.4327.

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

71.7215, 0.4036, 0.4327

Protanopia

72.0519, 0.3994, 0.4358

Deuteranopia

71.3866, 0.3837, 0.3837



Tritanopia

71.6995, 0.3376, 0.3139

Trichromacy



Original Color

71.7215, 0.4036, 0.4327

Protanomaly

71.7039, 0.4007, 0.4346

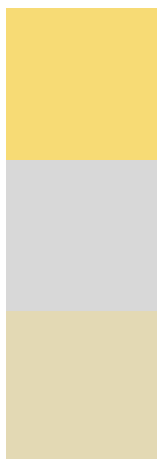
Deuteranomaly

71.3099, 0.3919, 0.4023

Tritanomaly

71.2431, 0.3638, 0.3582

Monochromacy



Original Color

71.7215, 0.4036, 0.4327

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

69.2519, 0.3459, 0.3701

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.7215, 0.4036, 0.4327 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(247, 219, 117)` looks like.

```
.text, #text, p{  
    color:rgb(247, 219, 117)  
}
```

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(247, 219, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 219, 117) }
```

Border

The CSS property to change the border of an element to Yxy 71.7215, 0.4036, 0.4327 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(247, 219, 117) }
```

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

```
.border{ border-color:rgb(247, 219, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 219, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 219, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 219, 117);  
box-shadow:4px 4px 4px 4px rgb(247, 219,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 71.7215, 0.4036, 0.4327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 219, 117) }
```

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

```
.background{ background-color: rgb(247,  
219, 117) }
```

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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