

Converting Colors

Yxy(78.4833, 0.4157, 0.4583)

Have a look what the booklet for
Yxy(78.4833, 0.4157, 0.4583)
contains.

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Color

Yxy(78.4372, 0.4157, 0.4585)

Conversions

Conversions Part 1

Format	Color
Hex	FEE65C
RGB	254, 230, 92
RGB Percent	100%, 90%, 36%
CMY	0.0037, 0.0981, 0.6391
CMYK	0.00, 0.09, 0.64, 0.00
HSL	51°, 99%, 68%
HSV	51°, 64%, 100%
XYZ	71.1153, 78.4372, 21.5210
YIQ	221.4440, 58.6020, -37.8300

Conversions

Conversions Part 2

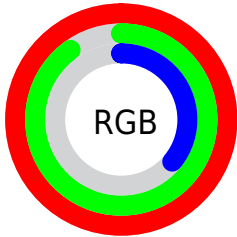
Format	Color
RYB	120, 254, 92
Decimal	16705116
CIELab	90.98, -7.20, 67.95
CIELCh	91, 68.325, 96.047
Yxy	78.4372, 0.4157, 0.4585
Android (android.graphics.Color)	4294895196 (0xFFEE65C)
YUV	221.4440, -63.8159, 28.5516
Hunter-Lab	88.5648, -11.6574, 47.5880

Details

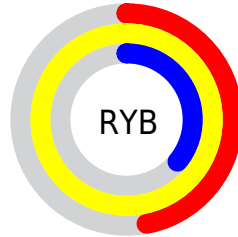
The Yxy color **78.4372, 0.4157, 0.4585** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **21.9443, 0.1943, 0.1492**, and the grayscale version is **73.0689, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9181, 0.3756, 0.4329**, and **42.2336, 0.4320, 0.4821** is the 20% darker color. If you saturate the color by 10%, you get **75.9918, 0.4284, 0.4708**, and if you desaturate by 10%, it is **81.0844, 0.4009, 0.4423**.

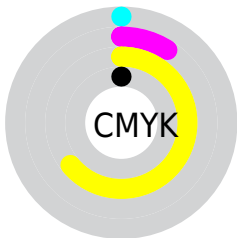
Distribution



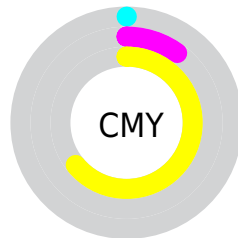
- Red (100%)
- Green (90%)
- Blue (36%)



- Red (47%)
- Yellow (100%)
- Blue (36%)



- Cyan (0%)
- Magenta (9%)
- Yellow (64%)
- Black (0%)




- Cyan (0%)
- Magenta (10%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.4372, 0.4157, 0.4585 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 78.4372, 0.4157, 0.4585 by changing the saturation by 10% instead.


 78.4372, 0.4157,
0.4585


 78.4372, 0.4157,
0.4585


489.6503, 0.3730,
0.4026

 58.4332, 0.4236,
0.4695


 131.1663, 0.4023,
0.4404


 42.1570, 0.4322,
0.4820

 164.6601, 0.3967,
0.4330

 29.2243, 0.4413,
0.4959


 203.4193, 0.3916,
0.4264

 19.2505, 0.4502,
0.5110

 247.8284, 0.3871,
0.4205

 11.8514, 0.4611,
0.5304

298.2716, 0.3830,
0.4153

 6.6426, 0.4602,
0.5398

355.1334, 0.3794,

 3.2396, 0.4528,

0.4106

418.7982, 0.3760,
0.4064

0.5472

■ 1.2581, 0.4397,
0.5603

■ 0.1084, 0.0000,
1.0000

■ 78.4372, 0.4157,
0.4585

■ 78.4372, 0.4157,
0.4585

■ 75.9918, 0.4284,
0.4708

■ 81.0844, 0.4009,
0.4423

■ 73.7211, 0.4384,
0.4786

■ 83.9359, 0.3846,
0.4233


■ 71.6096, 0.4455,
0.4817

■ 87.0077, 0.3677,
0.4023

■ 70.3591, 0.4488,
0.4819

■ 90.3108, 0.3507,
0.3803

 93.8554, 0.3341,
0.3583

 97.6510, 0.3184,
0.3369

99.8197, 0.3121,
0.3290

Harmonies

Analogous

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



78.4372, 0.4627, 0.4086



78.4372, 0.4157, 0.4585



78.4372, 0.3447, 0.4768

Triad

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



78.4372, 0.4157, 0.4585



78.4372, 0.1793, 0.2766



78.4372, 0.3436, 0.2470

Complementary

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



78.4372, 0.4157, 0.4585



21.9443, 0.1943, 0.1492

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.



78.4372, 0.2649, 0.2169



78.4372, 0.4157, 0.4585



78.4372, 0.1793, 0.2273

Square

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



78.4372, 0.4157, 0.4585



78.4372, 0.2096, 0.3558



78.4372, 0.2081, 0.2090



78.4372, 0.4220, 0.2940

Rectangle

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



78.4372, 0.4157, 0.4585



78.4372, 0.2936, 0.4578



78.4372, 0.2081, 0.2090



78.4372, 0.3159, 0.2347

Sweetspot

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



78.4409, 0.4157, 0.4585



92.7587, 0.3427, 0.3698



30.0064, 0.4897, 0.3069



19.6378, 0.3475, 0.3761



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.



78.4409, 0.4157, 0.4585



75.8814, 0.4319, 0.4738



83.6027, 0.3619, 0.5001



20.6039, 0.3273, 0.3491



37.2513, 0.4482, 0.4823



3.7465, 0.4444, 0.4853

Inverse Universe

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



21.9443, 0.1943, 0.1492



15.0864, 0.1730, 0.1120



21.1812, 0.2251, 0.1399



17.8129, 0.2979, 0.3081



4.6220, 0.1533, 0.0719



0.5728, 0.1580, 0.0886

Previews

White Background



This preview shows how the Yxy color 78.4372, 0.4157, 0.4585 looks on a white background.

Color Contrast Check

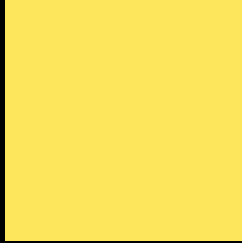
Large Text (above 18pt) WCAG AA × Fail

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 78.4372, 0.4157, 0.4585 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 78.4372, 0.4157, 0.4585

Background



This preview shows how black text looks on a background with the Yxy color 78.4372, 0.4157, 0.4585.

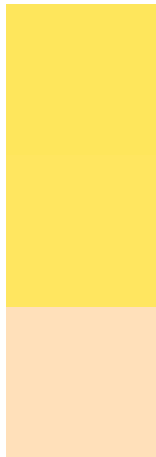


This preview shows how white text looks on a background with the Yxy color 78.4372, 0.4157, 0.4585.

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

78.4372, 0.4157, 0.4585

Protanopia

78.6982, 0.4146, 0.4554

Deuteranopia

78.1165, 0.3615, 0.3678



Tritanopia

78.2159, 0.3305, 0.3181

Trichromacy



Original Color

78.4372, 0.4157, 0.4585

Protanomaly

78.6799, 0.4150, 0.4561

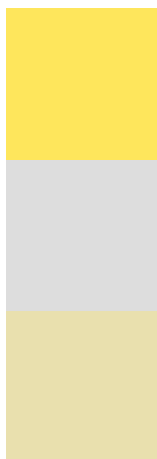
Deuteranomaly

77.9197, 0.3842, 0.4040

Tritanomaly

77.8666, 0.3657, 0.3740

Monochromacy



Original Color

78.4372, 0.4157, 0.4585

Achromatopsia

72.3055, 0.3127, 0.3290

Achromatomaly

73.6909, 0.3531, 0.3832

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.4372, 0.4157, 0.4585 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(254, 230, 92)` looks like.

```
.text, #text, p{  
    color:rgb(254, 230, 92)  
}
```

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(254, 230, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 230, 92) }
```

Border

The CSS property to change the border of an element to Yxy 78.4372, 0.4157, 0.4585 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(254, 230, 92) }
```

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

```
.border{ border-color:rgb(254, 230, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 230, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 230, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 230, 92);  
box-shadow:4px 4px 4px 4px rgb(254, 230,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 78.4372, 0.4157, 0.4585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 230, 92) }
```

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

```
.background{ background-color: rgb(254,  
230, 92) }
```

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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