

Converting Colors

$Yxy(76.2945, 0.3997, 0.4433)$

Have a look what the booklet for
Yxy(76.2945, 0.3997, 0.4433)
contains.

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Color

Yxy(76.2945, 0.3997, 0.4433)

Conversions

Conversions Part 1

Format	Color
Hex	F6E472
RGB	246, 228, 114
RGB Percent	96%, 89%, 45%
CMY	0.0352, 0.1059, 0.5529
CMYK	0.00, 0.07, 0.54, 0.04
HSL	52°, 88%, 71%
HSV	52°, 54%, 96%
XYZ	68.7907, 76.2945, 27.0206
YIQ	220.3860, 47.3220, -31.6380

Conversions

Conversions Part 2

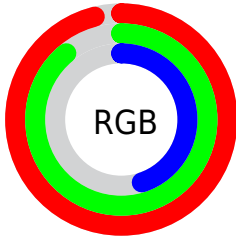
Format	Color
RYB	135, 246, 114
Decimal	16180338
CIELab	90.00, -7.96, 57.07
CIElCh	90, 57.622, 97.941
Yxy	76.2945, 0.3997, 0.4433
Android (android.graphics.Color)	4294370418 (0xFFFF6E472)
YUV	220.3860, -52.4483, 22.4635
Hunter-Lab	87.3467, -12.2775, 42.8014

Details

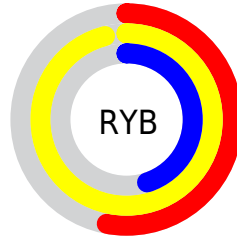
The Yxy color **76.2945, 0.3997, 0.4433** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **26.7398, 0.2133, 0.1792**, and the grayscale version is **72.2064, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6446, 0.3638, 0.4134**, and **40.7889, 0.4149, 0.4665** is the 20% darker color. If you saturate the color by 10%, you get **73.9819, 0.4142, 0.4597**, and if you desaturate by 10%, it is **78.8007, 0.3838, 0.4240**.

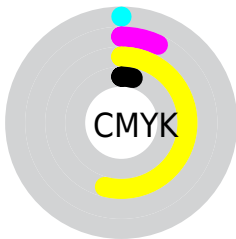
Distribution



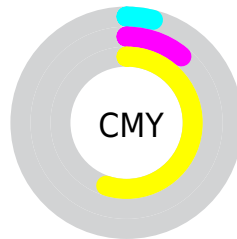
- Red (96%)
- Green (89%)
- Blue (45%)



- Red (53%)
- Yellow (96%)
- Blue (45%)



- Cyan (0%)
- Magenta (7%)
- Yellow (54%)
- Black (4%)



- Cyan (4%)
- Magenta (11%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.2945, 0.3997, 0.4433 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 76.2945, 0.3997, 0.4433 by changing the saturation by 10% instead.

 76.2945, 0.3997,
0.4433


 76.2945, 0.3997,
0.4433


482.3552, 0.3624,
0.3923


 56.6740, 0.4070,
0.4539


 128.1431, 0.3876,
0.4263

 40.7436, 0.4154,
0.4664


 161.1400, 0.3827,
0.4195

 28.1188, 0.4247,
0.4811


 199.3646, 0.3783,
0.4135

 18.4152, 0.4348,
0.4981


243.2011, 0.3744,
0.4082

 11.2485, 0.4446,
0.5172

293.0341, 0.3709,
0.4036

 6.2342, 0.4567,
0.5433

349.2478, 0.3678,

 2.9880, 0.4480,

0.3994

0.5520

412.2267, 0.3650,
0.3957

■ 1.1255, 0.4324,
0.5676

■ 0.0000, 0.0000,
0.0000

■ 76.2945, 0.3997,
0.4433

■ 76.2945, 0.3997,
0.4433

■ 73.9819, 0.4142,
0.4597

■ 78.8007, 0.3838,
0.4240

■ 71.8397, 0.4265,
0.4722


■ 81.5011, 0.3671,
0.4028

■ 69.8568, 0.4362,
0.4802

■ 84.4093, 0.3502,
0.3807

■ 68.0157, 0.4430,
0.4837

■ 87.5347, 0.3338,
0.3584


 66.9053, 0.4461,
0.4840

 90.8862, 0.3182,
0.3367

 94.0384, 0.3074,
0.3223

 96.1228, 0.3073,
0.3256

 98.2444, 0.3072,
0.3288

 98.3355, 0.3072,
0.3290

Harmonies

Analogous

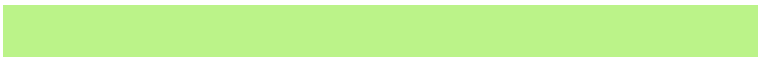
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.2945, 0.4407, 0.4035



76.2945, 0.3997, 0.4433



76.2945, 0.3379, 0.4529

Triad

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



76.2945, 0.3997, 0.4433



76.2945, 0.1957, 0.2819



76.2945, 0.3442, 0.2599

Complementary

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



76.2945, 0.3997, 0.4433



26.7398, 0.2133, 0.1792

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.



76.2945, 0.2760, 0.2321



76.2945, 0.3997, 0.4433



76.2945, 0.1970, 0.2397

Square

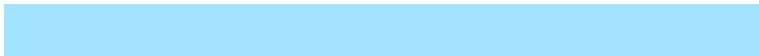
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.2945, 0.3997, 0.4433



76.2945, 0.2216, 0.3479



76.2945, 0.2244, 0.2241



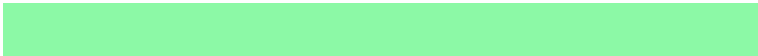
76.2945, 0.4093, 0.3025

Rectangle

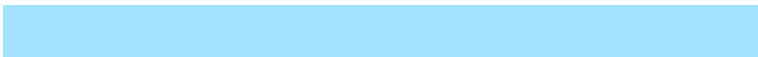
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.2945, 0.3997, 0.4433



76.2945, 0.2937, 0.4337



76.2945, 0.2244, 0.2241



76.2945, 0.3206, 0.2487

Sweetspot

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



76.2981, 0.3997, 0.4433



94.1444, 0.3377, 0.3637



33.3470, 0.4472, 0.3087



19.9994, 0.3410, 0.3683



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.



76.2981, 0.3997, 0.4433



80.1547, 0.4148, 0.4603



79.3889, 0.3573, 0.4747



18.9053, 0.3272, 0.3493



35.8600, 0.4456, 0.4844



3.2561, 0.4418, 0.4874

Inverse Universe

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



26.7398, 0.2133, 0.1792



21.5353, 0.1933, 0.1462



26.1854, 0.2420, 0.1704



16.2913, 0.2979, 0.3079



4.2641, 0.1530, 0.0706



0.4859, 0.1579, 0.0885

Previews

White Background



This preview shows how the Yxy color 76.2945, 0.3997, 0.4433 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 76.2945, 0.3997, 0.4433 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 76.2945, 0.3997, 0.4433

Background



This preview shows how black text looks on a background with the Yxy color 76.2945, 0.3997, 0.4433.

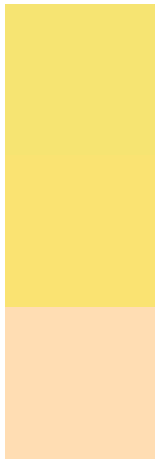


This preview shows how white text looks on a background with the Yxy color 76.2945, 0.3997, 0.4433.

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

76.2945, 0.3997, 0.4433

Protanopia

76.4771, 0.4033, 0.4410

Deuteranopia

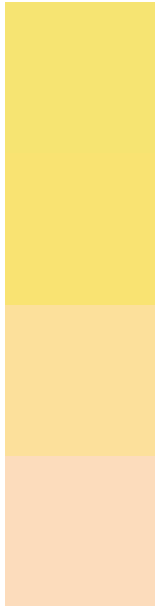
76.2276, 0.3672, 0.3721



Tritanopia

76.1413, 0.3309, 0.3141

Trichromacy



Original Color

76.2945, 0.3997, 0.4433

Protanomaly

76.2928, 0.4025, 0.4414

Deuteranomaly

76.3733, 0.3807, 0.3998

Tritanomaly

75.5127, 0.3588, 0.3621

Monochromacy



Original Color

76.2945, 0.3997, 0.4433

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

72.7696, 0.3455, 0.3750

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.2945, 0.3997, 0.4433 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(246, 228, 114)` looks like.

```
.text, #text, p{  
    color:rgb(246, 228, 114)  
}
```

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(246, 228, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 228, 114) }
```

Border

The CSS property to change the border of an element to Yxy 76.2945, 0.3997, 0.4433 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(246, 228, 114) }
```

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

```
.border{ border-color:rgb(246, 228, 114) }
```

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

Here you see how a box with a 4 pixel rgb(246, 228, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 228, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 228, 114);  
box-shadow:4px 4px 4px 4px rgb(246, 228,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 76.2945, 0.3997, 0.4433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 228, 114) }
```

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

```
.background{ background-color: rgb(246,  
228, 114) }
```

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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