

Converting Colors

$Y_{xy}(73.8286, 0.4258, 0.4725)$

Have a look what the booklet for
Yxy(73.8286, 0.4258, 0.4725)
contains.

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Color

Yxy(73.6611, 0.4256, 0.4725)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | F8E042 |
| RGB | 248, 224, 66 |
| RGB Percent | 97%, 88%, 26% |
| CMY | 0.0275, 0.1215, 0.7409 |
| CMYK | 0.00, 0.10, 0.73, 0.03 |
| HSL | 52°, 93%, 62% |
| HSV | 52°, 73%, 97% |
| XYZ | 66.3496, 73.6611, 15.8859 |
| YIQ | 213.1640, 65.0220, -44.0500 |

Conversions

Conversions Part 2

| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 94, 248, 66 |
| Decimal | 16310338 |
| CIE _{Lab} | 88.76, -8.02, 75.34 |
| CIE _{LCh} | 89, 75.761, 96.074 |
| Yxy | 73.6611, 0.4256, 0.4725 |
| Android (android.graphics.Color) | 4294500418 (0xFFFF8E042) |
| YUV | 213.1640, -72.5519, 30.5512 |
| Hunter-Lab | 85.8260, -12.2026, 49.1040 |

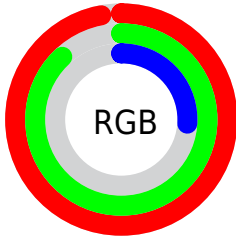
Details

The Yxy color **73.6611, 0.4256, 0.4725** is a light color, and the websafe version is hex **FFCC33**.

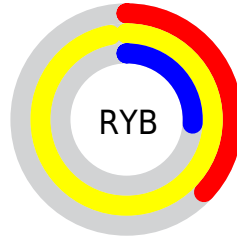
The color can be described as light washed yellow. A complement of this color would be **15.2592, 0.1776, 0.1186**, and the grayscale version is **67.1241, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2352, 0.3879, 0.4533**, and **39.0673, 0.4383, 0.4902** is the 20% darker color. If you saturate the color by 10%, you get **71.6919, 0.4352, 0.4807**, and if you desaturate by 10%, it is **75.7978, 0.4133, 0.4598**.

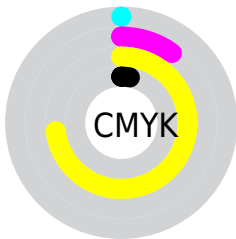
Distribution



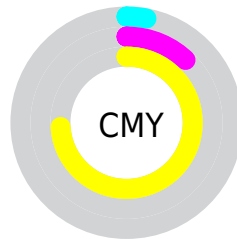
- Red (97%)
- Green (88%)
- Blue (26%)



- Red (37%)
- Yellow (97%)
- Blue (26%)



- Cyan (0%)
- Magenta (10%)
- Yellow (73%)
- Black (3%)





- Cyan (3%)
- Magenta (12%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.6611, 0.4256, 0.4725 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 73.6611, 0.4256, 0.4725 by changing the saturation by 10% instead.


 73.6611, 0.4256,
0.4725

 73.6611, 0.4256,
0.4725


473.3029, 0.3798,
0.4113


 54.5167, 0.4335,
0.4840


 124.4153, 0.4116,
0.4530

 39.0149, 0.4417,
0.4967


 156.7938, 0.4056,
0.4449


 26.7713, 0.4498,
0.5104

 194.3526, 0.4002,
0.4377

 17.4016, 0.4569,
0.5247

 237.4759, 0.3952,
0.4312

 10.5212, 0.4615,
0.5385

 286.5482, 0.3908,
0.4254

 5.7459, 0.4556,
0.5444

341.9539, 0.3868,

 2.6912, 0.4463,

0.4202

0.5537

404.0773, 0.3831,
0.4155

■ 0.9727, 0.4275,
0.5725

■ 0.0000, 0.0000,
0.0000

■ 73.6611, 0.4256,
0.4725

■ 73.6611, 0.4256,
0.4725

■ 71.6919, 0.4352,
0.4807

■ 75.7978, 0.4133,
0.4598


■ 69.8618, 0.4419,
0.4844


■ 78.1063, 0.3989,
0.4433


■ 68.7073, 0.4451,
0.4848


■ 80.6028, 0.3831,
0.4239

■ 83.2987, 0.3664,
0.4025

 86.2043, 0.3497,
0.3803

 89.3291, 0.3333,
0.3579

 92.6820, 0.3177,
0.3361

 95.6465, 0.3085,
0.3243

 97.6976, 0.3084,
0.3275

Harmonies

Analogous

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



73.6611, 0.4798, 0.4144



73.6611, 0.4256, 0.4725



73.6611, 0.3461, 0.4975

Triad

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



73.6611, 0.4256, 0.4725



73.6611, 0.1648, 0.2684



73.6611, 0.3470, 0.2379

Complementary

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



73.6611, 0.4256, 0.4725



15.2592, 0.1776, 0.1186

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.



73.6611, 0.2586, 0.2051



73.6611, 0.4256, 0.4725



73.6611, 0.1654, 0.2150

Square

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



73.6611, 0.4256, 0.4725



73.6611, 0.1970, 0.3584



73.6611, 0.1965, 0.1961



73.6611, 0.4364, 0.2890

Rectangle

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



73.6611, 0.4256, 0.4725



73.6611, 0.2893, 0.4772



73.6611, 0.1965, 0.1961



73.6611, 0.3157, 0.2246

Sweetspot

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



73.6646, 0.4256, 0.4725



92.2707, 0.3475, 0.3773



24.6035, 0.5357, 0.3100



19.5631, 0.3520, 0.3834



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.



73.6646, 0.4256, 0.4725



75.4335, 0.4388, 0.4830



77.3813, 0.3619, 0.5217



19.7774, 0.3272, 0.3494



37.2685, 0.4446, 0.4852



3.5567, 0.4412, 0.4879

Inverse Universe

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



15.2592, 0.1776, 0.1186



10.7560, 0.1598, 0.0850



15.6502, 0.2121, 0.1164



17.0118, 0.2979, 0.3077



4.3511, 0.1528, 0.0700



0.5142, 0.1574, 0.0865

Previews

White Background



This preview shows how the Yxy color 73.6611, 0.4256, 0.4725 looks on a white background.

Color Contrast Check

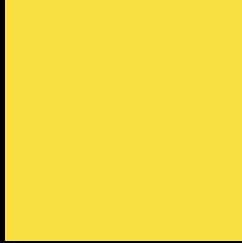
Large Text (above 18pt) WCAG AA × Fail

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 73.6611, 0.4256, 0.4725 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 73.6611, 0.4256, 0.4725

Background



This preview shows how black text looks on a background with the Yxy color 73.6611, 0.4256, 0.4725.



This preview shows how white text looks on a background with the Yxy color 73.6611, 0.4256, 0.4725.

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

73.6611, 0.4256, 0.4725

Protanopia

73.4927, 0.4279, 0.4708

Deuteranopia

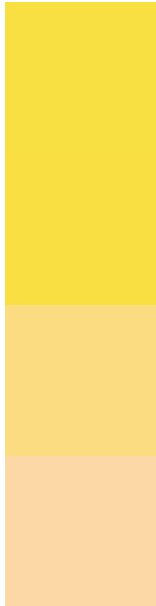
73.5301, 0.3800, 0.3846



Tritanopia

73.2848, 0.3358, 0.3150

Trichromacy



Original Color

73.6611, 0.4256, 0.4725

Protanomaly

73.3084, 0.4271, 0.4713

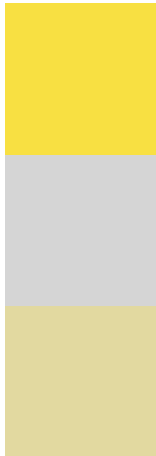
Deuteranomaly

73.4404, 0.4002, 0.4221

Tritanomaly

72.5972, 0.3751, 0.3800

Monochromacy



Original Color

73.6611, 0.4256, 0.4725

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

68.3325, 0.3593, 0.3927

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.6611, 0.4256, 0.4725 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(248, 224, 66)` looks like.

```
.text, #text, p{  
    color:rgb(248, 224, 66)  
}
```

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(248, 224, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 224, 66) }
```

Border

The CSS property to change the border of an element to Yxy 73.6611, 0.4256, 0.4725 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(248, 224, 66) }
```

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

```
.border{ border-color:rgb(248, 224, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 224, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 224, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 224, 66);  
box-shadow:4px 4px 4px 4px rgb(248, 224,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 73.6611, 0.4256, 0.4725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 224, 66) }
```

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

```
.background{ background-color: rgb(248,  
224, 66) }
```

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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