

Converting Colors

$Yxy(70.4338, 0.4246, 0.4737)$

Have a look what the booklet for
Yxy(70.4338, 0.4246, 0.4737)
contains.

Yxy(70.4338, 0.4246, 0.4737)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.4338, 0.4246, 0.4737)

Conversions

Conversions Part 1

Format	Color
Hex	F2DC40
RGB	242, 220, 64
RGB Percent	95%, 86%, 25%
CMY	0.0510, 0.1372, 0.7489
CMYK	0.00, 0.09, 0.74, 0.05
HSL	53°, 87%, 60%
HSV	53°, 74%, 95%
XYZ	63.1332, 70.4338, 15.1216
YIQ	208.7940, 63.1880, -43.8520

Conversions

Conversions Part 2

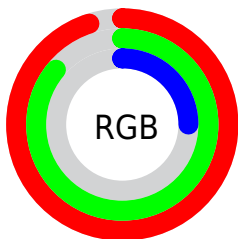
Format	Color
R _Y B	89, 242, 64
Decimal	15916096
CIE Lab	87.21, -8.61, 74.37
CIE LCh	87, 74.871, 96.603
Yxy	70.4338, 0.4246, 0.4737
Android (android.graphics.Color)	4294106176 (0xFFF2DC40)
YUV	208.7940, -71.3834, 29.1217
Hunter-Lab	83.9248, -12.5903, 48.0645

Details

The Yxy color **70.4338, 0.4246, 0.4737** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light washed yellow. A complement of this color would be **14.1567, 0.1771, 0.1168**, and the grayscale version is **64.0654, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1851, 0.3889, 0.4549**, and **36.8554, 0.4367, 0.4915** is the 20% darker color. If you saturate the color by 10%, you get **68.6642, 0.4339, 0.4820**, and if you desaturate by 10%, it is **72.3576, 0.4126, 0.4610**.

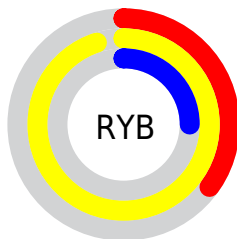
Distribution



Red (95%)

Green (86%)

Blue (25%)



Red (35%)

Yellow (95%)

Blue (25%)

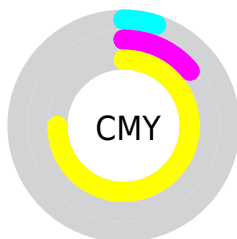


Cyan (0%)

Magenta (9%)

Yellow (74%)

Black (5%)



Cyan (5%)


Magenta (14%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.4338, 0.4246, 0.4737 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 70.4338, 0.4246, 0.4737 by changing the saturation by 10% instead.


 70.4338, 0.4246,
0.4737

 70.4338, 0.4246,
0.4737


462.0717, 0.3789,
0.4113

 51.8803, 0.4325,
0.4856


 119.8272, 0.4106,
0.4538


 36.9096, 0.4407,
0.4987


 151.4358, 0.4046,
0.4454

 25.1375, 0.4485,
0.5128


 188.1649, 0.3992,
0.4381

 16.1796, 0.4559,
0.5281

 230.3989, 0.3943,
0.4315

 9.6513, 0.4587,
0.5413

 278.5222, 0.3899,
0.4256

 5.1684, 0.4520,
0.5480

332.9192, 0.3859,

 2.3464, 0.4411,

0.4203

0.5589

393.9742, 0.3822,
0.4156

0.7981, 0.4073,
0.5927

0.0000, 0.0000,
0.0000

70.4338, 0.4246,
0.4737

70.4338, 0.4246,
0.4737

68.6642, 0.4339,
0.4820

72.3576, 0.4126,
0.4610

67.0218, 0.4403,
0.4857


74.4394, 0.3985,
0.4444


66.0140, 0.4433,
0.4862


76.6944, 0.3829,
0.4249


79.1336, 0.3665,
0.4035

 81.7664, 0.3498,
0.3811

 84.6019, 0.3336,
0.3586

 87.6485, 0.3180,
0.3366

 90.7441, 0.3049,
0.3181

 92.5560, 0.3049,
0.3211

Harmonies

Analogous

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



70.4338, 0.4797, 0.4156



70.4338, 0.4246, 0.4737



70.4338, 0.3446, 0.4979

Triad

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



70.4338, 0.4246, 0.4737



70.4338, 0.1642, 0.2669



70.4338, 0.3488, 0.2385

Complementary

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



70.4338, 0.4246, 0.4737



14.1567, 0.1771, 0.1168

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.



70.4338, 0.2599, 0.2052



70.4338, 0.4246, 0.4737



70.4338, 0.1653, 0.2140

Square

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



70.4338, 0.4246, 0.4737



70.4338, 0.1958, 0.3567



70.4338, 0.1970, 0.1957



70.4338, 0.4381, 0.2899

Rectangle

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



70.4338, 0.4246, 0.4737



70.4338, 0.2877, 0.4768



70.4338, 0.1970, 0.1957



70.4338, 0.3173, 0.2250

Sweetspot

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



70.4371, 0.4246, 0.4737



92.5586, 0.3474, 0.3777



23.2451, 0.5360, 0.3100



19.6320, 0.3519, 0.3839



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.



70.4371, 0.4246, 0.4737



76.4551, 0.4373, 0.4843



73.1811, 0.3619, 0.5219



18.1064, 0.3271, 0.3495



35.6063, 0.4428, 0.4866



3.0548, 0.4393, 0.4894

Inverse Universe

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



14.1567, 0.1771, 0.1168



10.5624, 0.1594, 0.0836



14.7690, 0.2120, 0.1162



15.5431, 0.2980, 0.3076



4.0437, 0.1526, 0.0693



0.4369, 0.1575, 0.0869

Previews

White Background



This preview shows how the Yxy color 70.4338, 0.4246, 0.4737 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 70.4338, 0.4246, 0.4737 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 70.4338, 0.4246, 0.4737

Background



This preview shows how black text looks on a background with the Yxy color 70.4338, 0.4246, 0.4737.

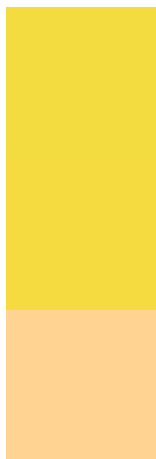


This preview shows how white text looks on a background with the Yxy color 70.4338, 0.4246, 0.4737.

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

70.4338, 0.4246, 0.4737

Protanopia

70.4457, 0.4277, 0.4714

Deuteranopia

70.4536, 0.3935, 0.3958



Tritanopia

69.9539, 0.3388, 0.3128

Trichromacy



Original Color

70.4338, 0.4246, 0.4737

Protanomaly

70.2663, 0.4269, 0.4719

Deuteranomaly

70.2092, 0.4081, 0.4281

Tritanomaly

69.0975, 0.3778, 0.3774

Monochromacy



Original Color

70.4338, 0.4246, 0.4737

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

65.3610, 0.3593, 0.3940

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.4338, 0.4246, 0.4737 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(242, 220, 64)` looks like.

```
.text, #text, p{  
    color:rgb(242, 220, 64)  
}
```

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(242, 220, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 220, 64) }
```

Border

The CSS property to change the border of an element to Yxy 70.4338, 0.4246, 0.4737 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(242, 220, 64) }
```

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

```
.border{ border-color:rgb(242, 220, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 220, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 220, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 220, 64);  
box-shadow:4px 4px 4px 4px rgb(242, 220,  
64) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 70.4338, 0.4246, 0.4737$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 220, 64) }
```

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

```
.background{ background-color: rgb(242,  
220, 64) }
```

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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