

Converting Colors

$Y_{xy}(70.4606, 0.4210, 0.4632)$

Have a look what the booklet for
Yxy(70.4606, 0.4210, 0.4632)
contains.

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Color

Yxy(70.4606, 0.4210, 0.4632)

Conversions

Conversions Part 1

Format	Color
Hex	F4DB4F
RGB	244, 219, 79
RGB Percent	96%, 86%, 31%
CMY	0.0433, 0.1411, 0.6903
CMYK	0.00, 0.10, 0.68, 0.04
HSL	51°, 88%, 63%
HSV	51°, 68%, 96%
XYZ	64.0413, 70.4606, 17.6151
YIQ	210.5150, 59.8400, -38.2400

Conversions

Conversions Part 2

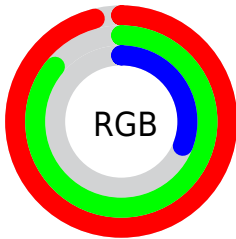
Format	Color
RYB	108, 244, 79
Decimal	16046927
CIELab	87.22, -6.58, 68.99
CIELCh	87, 69.305, 95.452
Yxy	70.4606, 0.4210, 0.4632
Android (android.graphics.Color)	4294237007 (0xFFFF4DB4F)
YUV	210.5150, -64.8369, 29.3663
Hunter-Lab	83.9408, -10.7128, 46.3164

Details

The Yxy color **70.4606, 0.4210, 0.4632** 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 **18.0740, 0.1879, 0.1387**, and the grayscale version is **65.2083, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5293, 0.3824, 0.4443**, and **36.7610, 0.4385, 0.4871** is the 20% darker color. If you saturate the color by 10%, you get **68.2680, 0.4328, 0.4738**, and if you desaturate by 10%, it is **72.8328, 0.4068, 0.4485**.

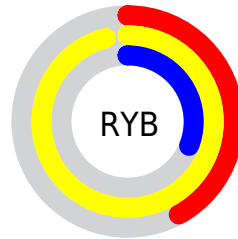
Distribution



Red (96%)

Green (86%)

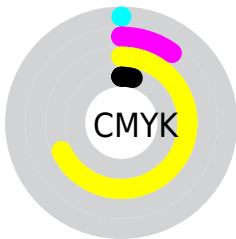
Blue (31%)



Red (42%)

Yellow (96%)

Blue (31%)

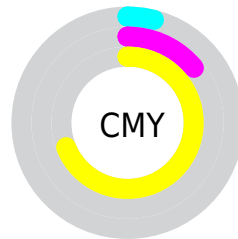


Cyan (0%)

Magenta (10%)

Yellow (68%)

Black (4%)



Cyan (4%)


Magenta (14%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.4606, 0.4210, 0.4632 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 70.4606, 0.4210, 0.4632 by changing the saturation by 10% instead.


 70.4606, 0.4210,
0.4632

 70.4606, 0.4210,
0.4632


462.1656, 0.3756,
0.4047


 51.9021, 0.4293,
0.4746


 119.8654, 0.4068,
0.4443


 36.9271, 0.4383,
0.4875


 151.4805, 0.4008,
0.4365

 25.1510, 0.4475,
0.5016


 188.2165, 0.3954,
0.4296

 16.1896, 0.4560,
0.5163

 230.4580, 0.3906,
0.4235

 9.6584, 0.4655,
0.5345

 278.5892, 0.3862,
0.4180

 5.1731, 0.4604,
0.5396

332.9947, 0.3823,

 2.3492, 0.4521,

0.4131

0.5479

394.0586, 0.3788,
0.4087

■ 0.7996, 0.4284,
0.5716

■ 0.0000, 0.0000,
0.0000

■ 70.4606, 0.4210,
0.4632

■ 70.4606, 0.4210,
0.4632

■ 68.2680, 0.4328,
0.4738

■ 72.8328, 0.4068,
0.4485

■ 66.2296, 0.4419,
0.4798


■ 75.3876, 0.3910,
0.4304

■ 64.3285, 0.4481,
0.4814


■ 78.1400, 0.3742,
0.4101


■ 63.8911, 0.4493,
0.4814


■ 81.1002, 0.3571,
0.3885

 84.2780, 0.3404,
0.3666

 87.6820, 0.3243,
0.3450

 91.3206, 0.3092,
0.3242

 93.9068, 0.3061,
0.3227

 96.2038, 0.3060,
0.3263

Harmonies

Analogous

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



70.4606, 0.4701, 0.4098



70.4606, 0.4210, 0.4632



70.4606, 0.3470, 0.4850

Triad

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



70.4606, 0.4210, 0.4632



70.4606, 0.1739, 0.2748



70.4606, 0.3432, 0.2426

Complementary

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



70.4606, 0.4210, 0.4632



18.0740, 0.1879, 0.1387

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.



70.4606, 0.2610, 0.2118



70.4606, 0.4210, 0.4632



70.4606, 0.1735, 0.2231

Square

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



70.4606, 0.4210, 0.4632



70.4606, 0.2057, 0.3587



70.4606, 0.2026, 0.2040



70.4606, 0.4261, 0.2909

Rectangle

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



70.4606, 0.4210, 0.4632



70.4606, 0.2936, 0.4663



70.4606, 0.2026, 0.2040



70.4606, 0.3141, 0.2301

Sweetspot

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



70.4639, 0.4210, 0.4632



92.3181, 0.3444, 0.3719



25.8647, 0.5020, 0.3040



19.5463, 0.3491, 0.3781



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.



70.4639, 0.4210, 0.4632



74.6654, 0.4364, 0.4765



76.0592, 0.3649, 0.5071



18.8616, 0.3272, 0.3489



34.9134, 0.4488, 0.4819



3.1818, 0.4445, 0.4853

Inverse Universe

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



18.0740, 0.1879, 0.1387



13.5498, 0.1680, 0.1029



17.1826, 0.2168, 0.1287



16.3310, 0.2979, 0.3083



4.3889, 0.1535, 0.0724



0.5046, 0.1587, 0.0914

Previews

White Background



This preview shows how the Yxy color 70.4606, 0.4210, 0.4632 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 70.4606, 0.4210, 0.4632 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 70.4606, 0.4210, 0.4632

Background



This preview shows how black text looks on a background with the Yxy color 70.4606, 0.4210, 0.4632.



This preview shows how white text looks on a background with the Yxy color 70.4606, 0.4210, 0.4632.

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

70.4606, 0.4210, 0.4632

Protanopia

70.4606, 0.4210, 0.4632

Deuteranopia

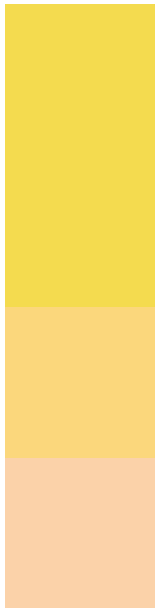
70.5169, 0.3921, 0.3938



Tritanopia

70.1431, 0.3395, 0.3129

Trichromacy



Original Color

70.4606, 0.4210, 0.4632

Protanomaly

70.4606, 0.4210, 0.4632

Deuteranomaly

70.5653, 0.4045, 0.4215

Tritanomaly

69.4670, 0.3749, 0.3720

Monochromacy



Original Color

70.4606, 0.4210, 0.4632

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

66.4255, 0.3557, 0.3867

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.4606, 0.4210, 0.4632 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(244, 219, 79)` looks like.

```
.text, #text, p{  
    color:rgb(244, 219, 79)  
}
```

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(244, 219, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 219, 79) }
```

Border

The CSS property to change the border of an element to Yxy 70.4606, 0.4210, 0.4632 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(244, 219, 79) }
```

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

```
.border{ border-color:rgb(244, 219, 79) }
```

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

Here you see how a box with a 4 pixel rgb(244, 219, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 219, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 219, 79);  
box-shadow:4px 4px 4px 4px rgb(244, 219,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 70.4606, 0.4210, 0.4632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 219, 79) }
```

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

```
.background{ background-color: rgb(244,  
219, 79) }
```

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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