

Converting Colors

$Y_{xy}(100.0000, 0.5058, 0.4162)$

Have a look what the booklet for
Yxy(100.0000, 0.5058, 0.4162)
contains.

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Color

Yxy(72.3652, 0.4332, 0.4632)

Conversions

Conversions Part 1

Format	Color
Hex	FFDB46
RGB	255, 219, 70
RGB Percent	100%, 86%, 27%
CMY	0.0000, 0.1412, 0.7257
CMYK	0.00, 0.14, 0.73, 0.00
HSL	48°, 100%, 64%
HSV	48°, 73%, 100%
XYZ	67.6783, 72.3652, 16.1853
YIQ	212.7780, 69.2850, -38.7070

Conversions

Conversions Part 2

Format	Color
R _Y B	115, 255, 70
Decimal	16767814
CIE Lab	88.14, -2.41, 73.61
CIE LCh	88, 73.652, 91.876
Yxy	72.3652, 0.4332, 0.4632
Android (android.graphics.Color)	4294957894 (0xFFFFDB46)
YUV	212.7780, -70.3896, 37.0287
Hunter-Lab	85.0677, -6.8572, 48.2667

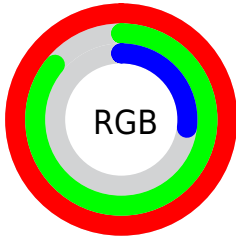
Details

The Yxy color **72.3652, 0.4332, 0.4632** is a light color, and the websafe version is hex **FFCC33**.

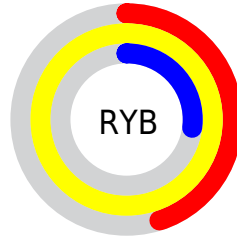
The color can be described as light washed yellow. A complement of this color would be **18.8160, 0.1819, 0.1331**, and the grayscale version is **66.8251, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.3123, 0.3864, 0.4509**, and **38.0203, 0.4496, 0.4812** is the 20% darker color. If you saturate the color by 10%, you get **69.5608, 0.4452, 0.4709**, and if you desaturate by 10%, it is **75.3866, 0.4186, 0.4510**.

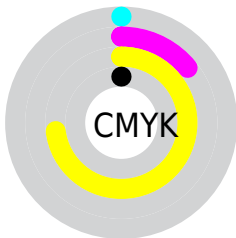
Distribution



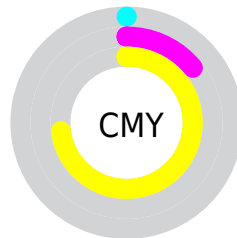
- Red (100%)
- Green (86%)
- Blue (27%)



- Red (45%)
- Yellow (100%)
- Blue (27%)



- Cyan (0%)
- Magenta (14%)
- Yellow (73%)
- Black (0%)




- Cyan (0%)
- Magenta (14%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.3652, 0.4332, 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 72.3652, 0.4332, 0.4632 by changing the saturation by 10% instead.


 72.3652, 0.4332,
0.4632

 72.3652, 0.4332,
0.4632


468.8117, 0.3832,
0.4066

 53.4571, 0.4422,
0.4736


 122.5756, 0.4176,
0.4454

 38.1678, 0.4519,
0.4850


 154.6467, 0.4110,
0.4379


 26.1129, 0.4617,
0.4970


 191.8741, 0.4051,
0.4312

 16.9081, 0.4712,
0.5090

 234.6424, 0.3998,
0.4252

 10.1690, 0.4795,
0.5205

 283.3360, 0.3950,
0.4198

 5.5112, 0.4777,
0.5223

338.3391, 0.3907,

 2.5502, 0.4749,

0.4150

0.5251

400.0362, 0.3867,
0.4106

■ 0.9017, 0.4695,
0.5305

■ 0.0000, 0.0000,
0.0000

■ 72.3652, 0.4332,
0.4632

■ 72.3652, 0.4332,
0.4632

■ 69.5608, 0.4452,
0.4709

■ 75.3866, 0.4186,
0.4510

■ 66.9491, 0.4543,
0.4739

■ 78.6360, 0.4022,
0.4351

■ 65.1138, 0.4593,
0.4735

■ 82.1292, 0.3846,
0.4164

■ 85.8786, 0.3668,
0.3962

89.8957, 0.3492,
0.3752

94.1909, 0.3324,
0.3543

98.7742, 0.3166,
0.3341

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



72.3652, 0.4809, 0.4046



72.3652, 0.4332, 0.4632



72.3652, 0.3575, 0.4937

Triad

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



72.3652, 0.4332, 0.4632



72.3652, 0.1699, 0.2804



72.3652, 0.3334, 0.2339

Complementary

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



72.3652, 0.4332, 0.4632



18.8160, 0.1819, 0.1331

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.



72.3652, 0.2495, 0.2046



72.3652, 0.4332, 0.4632



72.3652, 0.1660, 0.2224

Square

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



72.3652, 0.4332, 0.4632



72.3652, 0.2066, 0.3719



72.3652, 0.1925, 0.1993



72.3652, 0.4229, 0.2821

Rectangle

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



72.3652, 0.4332, 0.4632



72.3652, 0.3017, 0.4805



72.3652, 0.1925, 0.1993



72.3652, 0.3033, 0.2217

Sweetspot

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



72.3668, 0.4332, 0.4632



90.1331, 0.3482, 0.3740



26.6941, 0.5155, 0.2986



19.0523, 0.3529, 0.3797



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.



72.3668, 0.4332, 0.4632



68.3813, 0.4496, 0.4728



84.1699, 0.3702, 0.5146



20.4549, 0.3274, 0.3480



34.2363, 0.4585, 0.4741



3.4800, 0.4532, 0.4783

Inverse Universe

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



18.8160, 0.1819, 0.1331



12.7565, 0.1638, 0.0981



15.9883, 0.2041, 0.1135



17.9495, 0.2979, 0.3093



5.1083, 0.1551, 0.0785



0.6401, 0.1604, 0.0973

Previews

White Background



This preview shows how the Yxy color 72.3652, 0.4332, 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 72.3652, 0.4332, 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 72.3652, 0.4332, 0.4632

Background



This preview shows how black text looks on a background with the Yxy color 72.3652, 0.4332, 0.4632.



This preview shows how white text looks on a background with the Yxy color 72.3652, 0.4332, 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

72.3652, 0.4332, 0.4632

Protanopia

72.6539, 0.4253, 0.4683

Deuteranopia

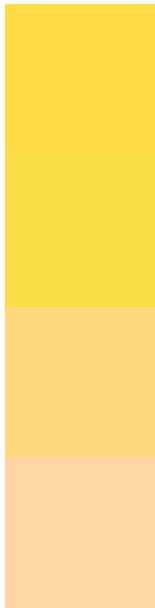
72.3295, 0.3844, 0.3877



Tritanopia

72.0814, 0.3390, 0.3169

Trichromacy



Original Color

72.3652, 0.4332, 0.4632

Protanomaly

72.6771, 0.4283, 0.4661

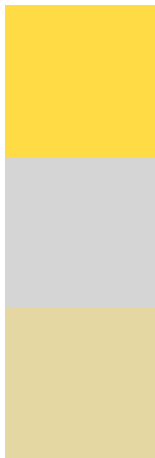
Deuteranomaly

71.8781, 0.4059, 0.4194

Tritanomaly

71.6017, 0.3793, 0.3776

Monochromacy



Original Color

72.3652, 0.4332, 0.4632

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

67.6681, 0.3608, 0.3892

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.3652, 0.4332, 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(255, 219, 70)` looks like.

```
.text, #text, p{  
    color:rgb(255, 219, 70)  
}
```

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(255, 219, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 219, 70) }
```

Border

The CSS property to change the border of an element to Yxy 72.3652, 0.4332, 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(255, 219, 70) }
```

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

```
.border{ border-color:rgb(255, 219, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 219, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 219, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 219, 70);  
box-shadow:4px 4px 4px 4px rgb(255, 219,  
70) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 72.3652, 0.4332, 0.4632$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 219, 70) }
```

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

```
.background{ background-color: rgb(255,  
219, 70) }
```

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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