

Converting Colors

$Yxy(73.1198, 0.4181, 0.4425)$

Have a look what the booklet for
Yxy(73.1198, 0.4181, 0.4425)
contains.

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Color

Yxy(72.8823, 0.4184, 0.4421)

Conversions

Conversions Part 1

Format	Color
Hex	FFDB66
RGB	255, 219, 102
RGB Percent	100%, 86%, 40%
CMY	0.0000, 0.1412, 0.6001
CMYK	0.00, 0.14, 0.60, 0.00
HSL	46°, 100%, 70%
HSV	46°, 60%, 100%
XYZ	68.9752, 72.8823, 22.9972
YIQ	216.4260, 59.0130, -28.7550

Conversions

Conversions Part 2

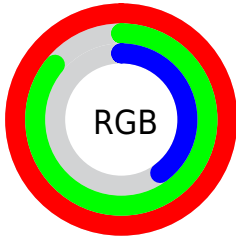
Format	Color
R_{YB}	149, 255, 102
Decimal	16767846
CIE _{Lab}	88.39, -0.64, 60.88
CIE _{LCh}	88, 60.882, 90.606
Yxy	72.8823, 0.4184, 0.4421
Android (android.graphics.Color)	4294957926 (0xFFFFDB66)
YUV	216.4260, -56.4120, 33.8294
Hunter-Lab	85.3711, -5.1812, 43.7883

Details

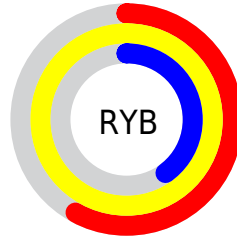
The Yxy color **72.8823, 0.4184, 0.4421** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **28.2160, 0.2049, 0.1773**, and the grayscale version is **69.3349, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2143, 0.3706, 0.4247**, and **38.3583, 0.4382, 0.4631** is the 20% darker color. If you saturate the color by 10%, you get **69.3768, 0.4350, 0.4548**, and if you desaturate by 10%, it is **76.6546, 0.4003, 0.4260**.

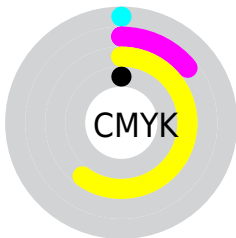
Distribution



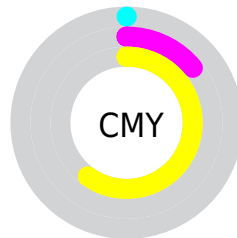
- Red (100%)
- Green (86%)
- Blue (40%)



- Red (58%)
- Yellow (100%)
- Blue (40%)



- Cyan (0%)
- Magenta (14%)
- Yellow (60%)
- Black (0%)





- Cyan (0%)
- Magenta (14%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.8823, 0.4184, 0.4421 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 72.8823, 0.4184, 0.4421 by changing the saturation by 10% instead.


 72.8823, 0.4184,
0.4421

 72.8823, 0.4184,
0.4421


470.6068, 0.3726,
0.3929

 53.8797, 0.4275,
0.4519


 123.3101, 0.4035,
0.4261

 38.5055, 0.4378,
0.4630


 155.5041, 0.3974,
0.4195

 26.3753, 0.4493,
0.4756


 192.8641, 0.3920,
0.4137

 17.1046, 0.4617,
0.4892

 235.7744, 0.3872,
0.4086

 10.3091, 0.4764,
0.5054

284.6194, 0.3830,
0.4040

 5.6044, 0.4848,
0.5152

339.7835, 0.3792,

 2.6060, 0.4840,

0.3999

0.5160

401.6512, 0.3757,
0.3963

■ 0.9297, 0.4827,
0.5173

■ 0.0000, 0.0000,
0.0000

■ 72.8823, 0.4184,
0.4421

■ 72.8823, 0.4184,
0.4421

■ 69.3768, 0.4350,
0.4548

■ 76.6546, 0.4003,
0.4260

■ 66.1246, 0.4493,
0.4631

■ 80.7100, 0.3816,
0.4076

■ 63.1059, 0.4607,
0.4666

■ 85.0607, 0.3631,
0.3879

■ 60.2926, 0.4692,
0.4656

■ 89.7181, 0.3452,
0.3678

 94.6933, 0.3283,
0.3480

99.9962, 0.3127,
0.3290

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.



72.8823, 0.4548, 0.3945



72.8823, 0.4184, 0.4421



72.8823, 0.3560, 0.4640

Triad

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



72.8823, 0.4184, 0.4421



72.8823, 0.1923, 0.2933



72.8823, 0.3275, 0.2467

Complementary

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



72.8823, 0.4184, 0.4421



28.2160, 0.2049, 0.1773

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.



72.8823, 0.2577, 0.2220



72.8823, 0.4184, 0.4421



72.8823, 0.1870, 0.2417

Square

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



72.8823, 0.4184, 0.4421



72.8823, 0.2263, 0.3683



72.8823, 0.2091, 0.2191



72.8823, 0.4010, 0.2884

Rectangle

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



72.8823, 0.4184, 0.4421



72.8823, 0.3088, 0.4525



72.8823, 0.2091, 0.2191



72.8823, 0.3026, 0.2363

Sweetspot

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



72.8815, 0.4184, 0.4421



90.6908, 0.3417, 0.3638



32.6597, 0.4533, 0.2918



19.1106, 0.3467, 0.3697



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.



72.8815, 0.4184, 0.4421



68.7090, 0.4380, 0.4568



87.1917, 0.3710, 0.4850



20.3236, 0.3275, 0.3471



31.7450, 0.4682, 0.4664



3.2575, 0.4615, 0.4718

Inverse Universe

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



28.2160, 0.2049, 0.1773



20.7443, 0.1849, 0.1434



22.3153, 0.2198, 0.1457



18.0713, 0.2979, 0.3103



5.6491, 0.1571, 0.0856



0.7089, 0.1628, 0.1060

Previews

White Background



This preview shows how the Yxy color 72.8823, 0.4184, 0.4421 looks on a white background.

Color Contrast Check

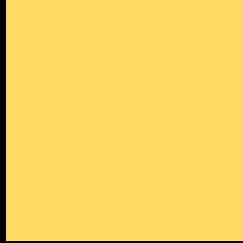
Large Text (above 18pt) WCAG AA × Fail

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 72.8823, 0.4184, 0.4421 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 72.8823, 0.4184, 0.4421

Background



This preview shows how black text looks on a background with the Yxy color 72.8823, 0.4184, 0.4421.



This preview shows how white text looks on a background with the Yxy color 72.8823, 0.4184, 0.4421.

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

72.8823, 0.4184, 0.4421

Protanopia

72.8147, 0.4090, 0.4474

Deuteranopia

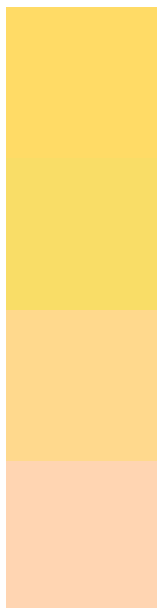
73.0161, 0.3804, 0.3836



Tritanopia

72.6271, 0.3381, 0.3170

Trichromacy



Original Color

72.8823, 0.4184, 0.4421

Protanomaly

72.8319, 0.4120, 0.4453

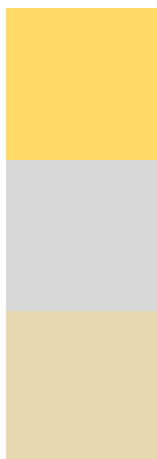
Deuteranomaly

72.8088, 0.3955, 0.4063

Tritanomaly

72.0629, 0.3703, 0.3652

Monochromacy



Original Color

72.8823, 0.4184, 0.4421

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

69.5438, 0.3518, 0.3754

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.8823, 0.4184, 0.4421 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, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 219, 102)  
}
```

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, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 219, 102) }
```

Border

The CSS property to change the border of an element to Yxy 72.8823, 0.4184, 0.4421 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, 102) }
```

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

```
.border{ border-color:rgb(255, 219, 102) }
```

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, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 219, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 219, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 219,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 72.8823, 0.4184, 0.4421 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, 102) }
```

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

```
.background{ background-color: rgb(255,  
219, 102) }
```

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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