

# Converting Colors

$Y_{xy}(100.0000, 0.4876, 0.3977)$

Have a look what the booklet for  
Yxy(100.0000, 0.4876, 0.3977)  
contains.

<b>Yxy(72.6177, 0.4122, 0.4316)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(72.6177, 0.4122, 0.4316)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDA72
RGB	255, 218, 114
RGB Percent	100%, 85%, 45%
CMY	0.0000, 0.1451, 0.5529
CMYK	0.00, 0.15, 0.55, 0.00
HSL	44°, 100%, 72%
HSV	44°, 55%, 100%
XYZ	69.3536, 72.6177, 26.2810
YIQ	217.2070, 55.4360, -24.5000

# Conversions

## Conversions Part 2

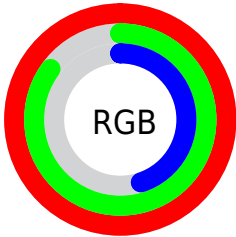
Format	Color
<b>RYB</b>	164, 255, 114
Decimal	16767602
CIELab	88.27, 0.72, 55.24
CIELCh	88, 55.247, 89.252
Yxy	72.6177, 0.4122, 0.4316
Android (android.graphics.Color)	4294957682 (0xFFFFDA72)
YUV	217.2070, -50.8811, 33.1445
Hunter-Lab	85.2160, -3.8547, 41.3659

# Details

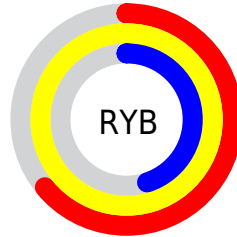
The Yxy color **72.6177, 0.4122, 0.4316** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **32.9319, 0.2146, 0.1960**, and the grayscale version is **69.8642, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6072, 0.3643, 0.4143**, and **38.1334, 0.4316, 0.4516** is the 20% darker color. If you saturate the color by 10%, you get **68.7149, 0.4305, 0.4456**, and if you desaturate by 10%, it is **76.8227, 0.3929, 0.4148**.

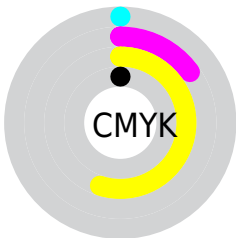
# Distribution



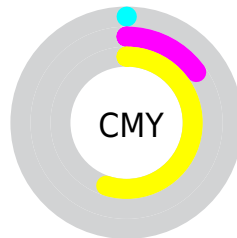
- Red (100%)
- Green (85%)
- Blue (45%)



- Red (64%)
- Yellow (100%)
- Blue (45%)



- Cyan (0%)
- Magenta (15%)
- Yellow (55%)
- Black (0%)




- Cyan (0%)
- Magenta (15%)
- Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.6177, 0.4122, 0.4316 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 72.6177, 0.4122, 0.4316 by changing the saturation by 10% instead.




 72.6177, 0.4122,  
0.4316

 72.6177, 0.4122,  
0.4316


469.6887, 0.3684,  
0.3866

 53.6634, 0.4212,  
0.4408


 122.9343, 0.3977,  
0.4168

 38.3326, 0.4316,  
0.4514


 155.0655, 0.3919,  
0.4107

 26.2410, 0.4436,  
0.4636


 192.3577, 0.3867,  
0.4055

 17.0040, 0.4572,  
0.4773

235.1954, 0.3822,  
0.4008

 10.2373, 0.4720,  
0.4920

283.9629, 0.3781,  
0.3966

 5.5566, 0.4901,  
0.5099

339.0448, 0.3745,

 2.5774, 0.4910,

0.3929

400.8252, 0.3713,  
0.3896

0.5090

0.9153, 0.4925,  
0.5075

0.0000, 0.0000,  
0.0000

72.6177, 0.4122,  
0.4316

72.6177, 0.4122,  
0.4316

68.7149, 0.4305,  
0.4456

76.8227, 0.3929,  
0.4148

65.0984, 0.4471,  
0.4556

81.3434, 0.3736,  
0.3962

61.7507, 0.4610,  
0.4609

86.1925, 0.3549,  
0.3768

58.6501, 0.4718,  
0.4613

91.3817, 0.3372,  
0.3574

■ 57.2622, 0.4761,  
0.4602

■ 96.9220, 0.3208,  
0.3386

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.



72.6177, 0.4432, 0.3883



72.6177, 0.4122, 0.4316



72.6177, 0.3562, 0.4512

# Triad

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



72.6177, 0.4122, 0.4316



72.6177, 0.2029, 0.3000



72.6177, 0.3235, 0.2518

# Complementary

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



72.6177, 0.4122, 0.4316



32.9319, 0.2146, 0.1960

# 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.



72.6177, 0.2601, 0.2297



72.6177, 0.4122, 0.4316



72.6177, 0.1965, 0.2511

# Square

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



72.6177, 0.4122, 0.4316



72.6177, 0.2360, 0.3680



72.6177, 0.2160, 0.2284



72.6177, 0.3903, 0.2900

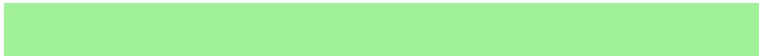


# Rectangle

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



72.6177, 0.4122, 0.4316



72.6177, 0.3130, 0.4415



72.6177, 0.2160, 0.2284



72.6177, 0.3009, 0.2424

# Sweetspot

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



72.6178, 0.4122, 0.4316



90.4713, 0.3402, 0.3607



35.5494, 0.4334, 0.2913



19.1380, 0.3437, 0.3646



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.



72.6178, 0.4122, 0.4316



68.4499, 0.4318, 0.4464



88.2805, 0.3696, 0.4732



20.2366, 0.3276, 0.3464



30.1771, 0.4749, 0.4611



3.1163, 0.4672, 0.4673



# Inverse Universe

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



32.9319, 0.2146, 0.1960



25.4281, 0.1959, 0.1658



25.4494, 0.2267, 0.1599



18.1527, 0.2979, 0.3109



6.0699, 0.1586, 0.0910



0.7599, 0.1645, 0.1121



# Previews

## White Background



This preview shows how the Yxy color 72.6177, 0.4122, 0.4316 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

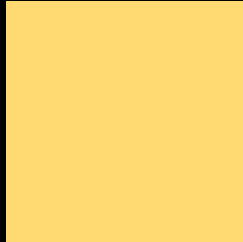
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.6177, 0.4122, 0.4316 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 72.6177, 0.4122, 0.4316**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.6177, 0.4122, 0.4316.



This preview shows how white text looks on a background with the Yxy color 72.6177, 0.4122, 0.4316.

# 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

72.6177, 0.4122, 0.4316

### Protanopia

72.7135, 0.4008, 0.4381

### Deuteranopia

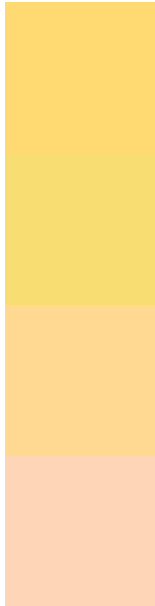
72.5412, 0.3800, 0.3816



## Tritanopia

72.6271, 0.3381, 0.3170

# Trichromacy



## Original Color

72.6177, 0.4122, 0.4316

## Protanomaly

72.9072, 0.4044, 0.4358

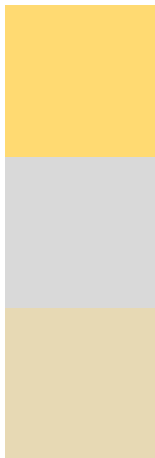
## Deuteranomaly

72.4471, 0.3925, 0.4006

## Tritanomaly

72.2674, 0.3666, 0.3600

# Monochromacy



## Original Color

72.6177, 0.4122, 0.4316

## Achromatopsia

69.3872, 0.3127, 0.3290

## Achromatomaly

69.9099, 0.3490, 0.3697

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.6177, 0.4122, 0.4316 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, 218, 114)` looks like.

```
.text, #text, p{  
    color:rgb(255, 218, 114)  
}
```

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, 218, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 218, 114) }
```

## Border

The CSS property to change the border of an element to Yxy 72.6177, 0.4122, 0.4316 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, 218, 114) }
```

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

```
.border{ border-color:rgb(255, 218, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 218, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 218, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 218, 114);  
box-shadow:4px 4px 4px 4px rgb(255, 218,  
114) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.6177, 0.4122, 0.4316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 218, 114) }
```

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

```
.background{ background-color: rgb(255,  
218, 114) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor