

Converting Colors

$Y_{xy}(72.1200, 0.4134, 0.4318)$

Have a look what the booklet for
Yxy(72.1200, 0.4134, 0.4318)
contains.

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Color

Yxy(72.0780, 0.4134, 0.4316)

Conversions

Conversions Part 1

Format	Color
Hex	FFD971
RGB	255, 217, 113
RGB Percent	100%, 85%, 44%
CMY	0.0000, 0.1490, 0.5570
CMYK	0.00, 0.15, 0.56, 0.00
HSL	44°, 100%, 72%
HSV	44°, 56%, 100%
XYZ	69.0386, 72.0780, 25.8853
YIQ	216.5060, 56.0320, -24.2880

Conversions

Conversions Part 2

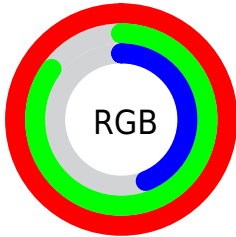
Format	Color
R_{YB}	165, 255, 113
Decimal	16767345
CIE _{Lab}	88.01, 1.15, 55.42
CIE _{LCh}	88, 55.436, 88.807
Yxy	72.0780, 0.4134, 0.4316
Android (android.graphics.Color)	4294957425 (0xFFFFD971)
YUV	216.5060, -51.0285, 33.7592
Hunter-Lab	84.8988, -3.4190, 41.3519

Details

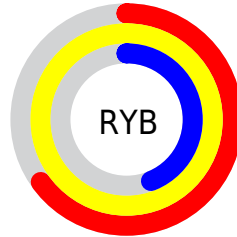
The Yxy color **72.0780, 0.4134, 0.4316** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **32.8505, 0.2140, 0.1957**, and the grayscale version is **69.3553, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5700, 0.3649, 0.4153**, and **37.7690, 0.4332, 0.4514** is the 20% darker color. If you saturate the color by 10%, you get **68.1364, 0.4319, 0.4454**, and if you desaturate by 10%, it is **76.3240, 0.3940, 0.4150**.

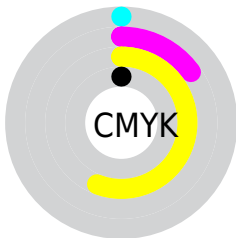
Distribution



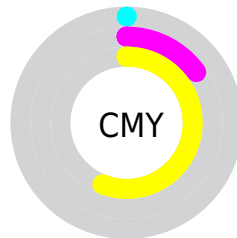
- Red (100%)
- Green (85%)
- Blue (44%)



- Red (65%)
- Yellow (100%)
- Blue (44%)



- Cyan (0%)
- Magenta (15%)
- Yellow (56%)
- Black (0%)




- Cyan (0%)
- Magenta (15%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.0780, 0.4134, 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 72.0780, 0.4134, 0.4316 by changing the saturation by 10% instead.


 72.0780, 0.4134,
0.4316


 72.0780, 0.4134,
0.4316

467.8130, 0.3690,
0.3866


 53.2224, 0.4225,
0.4407

 122.1674, 0.3987,
0.4168

 37.9803, 0.4331,
0.4513


 154.1700, 0.3928,
0.4108

 25.9674, 0.4453,
0.4634


 191.3238, 0.3876,
0.4055

 16.7993, 0.4590,
0.4769

234.0130, 0.3830,
0.4008

 10.0915, 0.4741,
0.4915

282.6222, 0.3789,
0.3967

 5.4597, 0.4919,
0.5081

337.5356, 0.3752,

 2.5194, 0.4932,

0.3929

0.5068

399.1378, 0.3719,
0.3896

■ 0.8863, 0.4956,
0.5044

■ 0.0000, 0.0000,
0.0000

■ 72.0780, 0.4134,
0.4316

■ 72.0780, 0.4134,
0.4316

■ 68.1364, 0.4319,
0.4454

■ 76.3240, 0.3940,
0.4150

■ 64.4869, 0.4485,
0.4551

■ 80.8919, 0.3746,
0.3965

■ 61.1106, 0.4625,
0.4602

■ 85.7932, 0.3557,
0.3773

■ 57.9854, 0.4734,
0.4602

■ 91.0398, 0.3380,
0.3580

■ 56.7058, 0.4774,
0.4591

■ 96.6428, 0.3215,
0.3393

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.



72.0780, 0.4441, 0.3878



72.0780, 0.4134, 0.4316



72.0780, 0.3573, 0.4520

Triad

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



72.0780, 0.4134, 0.4316



72.0780, 0.2026, 0.3007



72.0780, 0.3225, 0.2509

Complementary

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



72.0780, 0.4134, 0.4316



32.8505, 0.2140, 0.1957

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.



72.0780, 0.2590, 0.2291



72.0780, 0.4134, 0.4316



72.0780, 0.1958, 0.2512

Square

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



72.0780, 0.4134, 0.4316



72.0780, 0.2363, 0.3693



72.0780, 0.2150, 0.2280



72.0780, 0.3899, 0.2892

Rectangle

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



72.0780, 0.4134, 0.4316



72.0780, 0.3139, 0.4427



72.0780, 0.2150, 0.2280



72.0780, 0.2998, 0.2416

Sweetspot

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



72.0768, 0.4134, 0.4316



90.3379, 0.3402, 0.3605



35.3692, 0.4318, 0.2886



19.1063, 0.3437, 0.3644



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.



72.0768, 0.4134, 0.4316



67.6458, 0.4341, 0.4469



88.5949, 0.3715, 0.4733



20.2201, 0.3276, 0.3463



29.8890, 0.4762, 0.4601



3.0903, 0.4682, 0.4664

Inverse Universe

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



32.8505, 0.2140, 0.1957



25.0398, 0.1945, 0.1641



24.9283, 0.2243, 0.1579



18.1682, 0.2979, 0.3111



6.1550, 0.1589, 0.0921



0.7700, 0.1648, 0.1134

Previews

White Background



This preview shows how the Yxy color 72.0780, 0.4134, 0.4316 looks on a white background.

Color Contrast Check

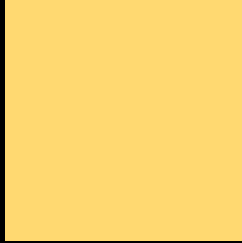
Large Text (above 18pt) WCAG AA × Fail

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 72.0780, 0.4134, 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 72.0780, 0.4134, 0.4316

Background



This preview shows how black text looks on a background with the Yxy color 72.0780, 0.4134, 0.4316.



This preview shows how white text looks on a background with the Yxy color 72.0780, 0.4134, 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

72.0780, 0.4134, 0.4316

Protanopia

72.1609, 0.4019, 0.4381

Deuteranopia

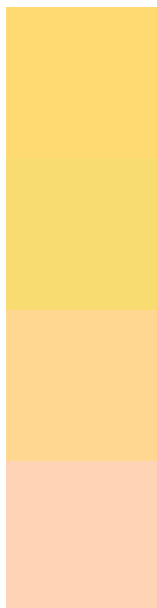
71.9263, 0.3826, 0.3837



Tritanopia

72.0814, 0.3390, 0.3169

Trichromacy



Original Color

72.0780, 0.4134, 0.4316

Protanomaly

72.3578, 0.4056, 0.4358

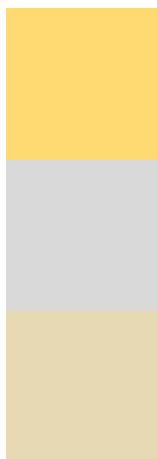
Deuteranomaly

71.8745, 0.3943, 0.4016

Tritanomaly

71.7244, 0.3676, 0.3601

Monochromacy



Original Color

72.0780, 0.4134, 0.4316

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

69.8693, 0.3497, 0.3708

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.0780, 0.4134, 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, 217, 113)` looks like.

```
.text, #text, p{  
    color:rgb(255, 217, 113)  
}
```

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, 217, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 217, 113) }
```

Border

The CSS property to change the border of an element to Yxy 72.0780, 0.4134, 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, 217, 113) }
```

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

```
.border{ border-color:rgb(255, 217, 113) }
```

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

Here you see how a box with a 4 pixel rgb(255, 217, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 217, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 217, 113);  
box-shadow:4px 4px 4px 4px rgb(255, 217,  
113) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 72.0780, 0.4134, 0.4316$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 217, 113) }
```

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

```
.background{ background-color: rgb(255,  
217, 113) }
```

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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