

Converting Colors

$Y_{xy}(100.0000, 0.4685, 0.3782)$

Have a look what the booklet for
Yxy(100.0000, 0.4685, 0.3782)
contains.

Yxy(72.9923, 0.3913, 0.4005)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(72.9923, 0.3913, 0.4005)

Conversions

Conversions Part 1

Format	Color
Hex	FFD993
RGB	255, 217, 147
RGB Percent	100%, 85%, 58%
CMY	0.0001, 0.1490, 0.4234
CMYK	0.00, 0.15, 0.42, 0.00
HSL	39°, 100%, 79%
HSV	39°, 42%, 100%
XYZ	71.3156, 72.9923, 37.9451
YIQ	220.3820, 45.1180, -13.7140

Conversions

Conversions Part 2

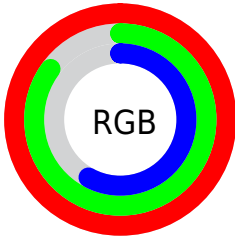
Format	Color
R _Y B	206, 255, 147
Decimal	16767379
CIE Lab	88.44, 4.15, 39.33
CIE LCh	88, 39.551, 83.970
Yxy	72.9923, 0.3913, 0.4005
Android (android.graphics.Color)	4294957459 (0xFFFFD993)
YUV	220.3820, -36.1773, 30.3600
Hunter-Lab	85.4355, -0.5129, 33.4720

Details

The Yxy color **72.9923, 0.3913, 0.4005** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **48.1211, 0.2409, 0.2444**, and the grayscale version is **72.0875, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0443, 0.3442, 0.3810**, and **38.4026, 0.4085, 0.4156** is the 20% darker color. If you saturate the color by 10%, you get **67.7831, 0.4131, 0.4162**, and if you desaturate by 10%, it is **78.6370, 0.3703, 0.3835**.

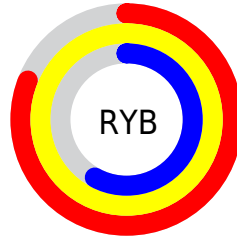
Distribution



Red (100%)

Green (85%)

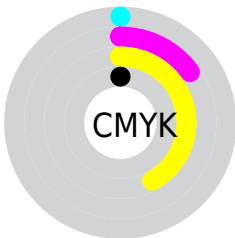
Blue (58%)



Red (81%)

Yellow (100%)

Blue (58%)

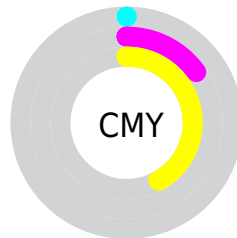


Cyan (0%)

Magenta (15%)

Yellow (42%)

Black (0%)



Cyan (0%)


Magenta (15%)

Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.9923, 0.3913, 0.4005 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 72.9923, 0.3913, 0.4005 by changing the saturation by 10% instead.


 72.9923, 0.3913,
0.4005

 72.9923, 0.3913,
0.4005


470.9881, 0.3555,
0.3685

 53.9697, 0.3991,
0.4073

 123.4663, 0.3791,
0.3897

 38.5774, 0.4086,
0.4155


 155.6864, 0.3743,
0.3855

 26.4311, 0.4202,
0.4253


193.0745, 0.3701,
0.3817

 17.1465, 0.4345,
0.4372

236.0149, 0.3665,
0.3784

 10.3390, 0.4522,
0.4514

284.8921, 0.3632,
0.3755

 5.6243, 0.4749,
0.4685

340.0905, 0.3604,

 2.6180, 0.5080,

0.3729

0.4920

401.9943, 0.3578,
0.3706

■ 0.9357, 0.5163,
0.4837

■ 0.0000, 0.0000,
0.0000

■ 72.9923, 0.3913,
0.4005

■ 72.9923, 0.3913,
0.4005

■ 67.7831, 0.4131,
0.4162

■ 78.6370, 0.3703,
0.3835

■ 62.9833, 0.4350,
0.4295

■ 84.7216, 0.3506,
0.3662

■ 58.5790, 0.4559,
0.4393

■ 91.2631, 0.3326,
0.3491

■ 54.5508, 0.4746,
0.4444

■ 98.2745, 0.3163,
0.3327

■ 50.8758, 0.4902,
0.4443

99.9962, 0.3127,
0.3290

■ 48.2749, 0.5002,
0.4411

Harmonies

Analogous

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



72.9923, 0.4078, 0.3688



72.9923, 0.3913, 0.4005



72.9923, 0.3539, 0.4152

Triad

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



72.9923, 0.3913, 0.4005



72.9923, 0.2350, 0.3178



72.9923, 0.3126, 0.2677

Complementary

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



72.9923, 0.3913, 0.4005



48.1211, 0.2409, 0.2444

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.



72.9923, 0.2680, 0.2538



72.9923, 0.3913, 0.4005



72.9923, 0.2259, 0.2786

Square

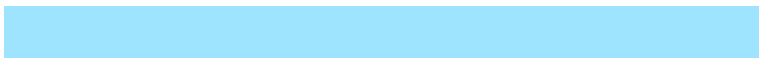
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.9923, 0.3913, 0.4005



72.9923, 0.2639, 0.3653



72.9923, 0.2374, 0.2568



72.9923, 0.3607, 0.2952

Rectangle

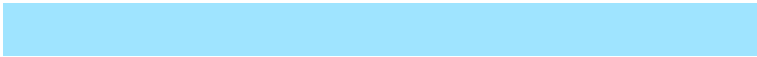
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.9923, 0.3913, 0.4005



72.9923, 0.3229, 0.4104



72.9923, 0.2374, 0.2568



72.9923, 0.2967, 0.2613

Sweetspot

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



72.9957, 0.3913, 0.4005



90.8312, 0.3337, 0.3502



45.7039, 0.3818, 0.2879



19.1254, 0.3376, 0.3539



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.



72.9957, 0.3913, 0.4005



68.4679, 0.4102, 0.4142



92.2428, 0.3661, 0.4377



19.9524, 0.3278, 0.3444



25.5203, 0.4985, 0.4424



2.6903, 0.4871, 0.4515

Inverse Universe

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



48.1211, 0.2409, 0.2444



40.5851, 0.2255, 0.2232



35.7163, 0.2428, 0.2004



18.4228, 0.2979, 0.3131



7.8185, 0.1645, 0.1123



0.9574, 0.1708, 0.1348

Previews

White Background



This preview shows how the Yxy color 72.9923, 0.3913, 0.4005 looks on a white background.

Color Contrast Check

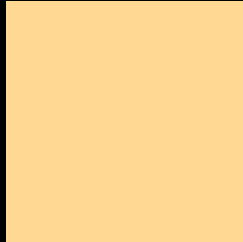
Large Text (above 18pt) WCAG AA × Fail

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 72.9923, 0.3913, 0.4005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

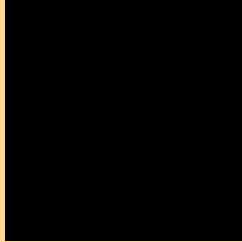
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.9923, 0.3913, 0.4005

Background



This preview shows how black text looks on a background with the Yxy color 72.9923, 0.3913, 0.4005.



This preview shows how white text looks on a background with the Yxy color 72.9923, 0.3913, 0.4005.

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

72.9923, 0.3913, 0.4005

Protanopia

73.1133, 0.3770, 0.4064

Deuteranopia

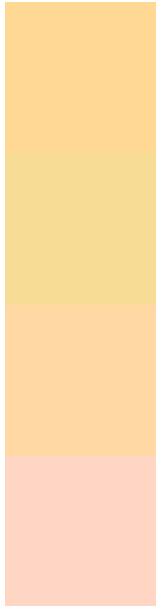
72.8780, 0.3734, 0.3724



Tritanopia

73.1762, 0.3372, 0.3170

Trichromacy



Original Color

72.9923, 0.3913, 0.4005

Protanomaly

72.9173, 0.3823, 0.4044

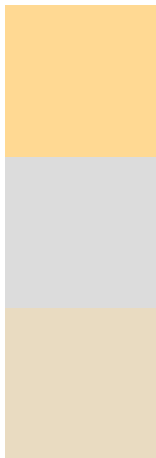
Deuteranomaly

73.0521, 0.3797, 0.3826

Tritanomaly

72.7886, 0.3576, 0.3476

Monochromacy



Original Color

72.9923, 0.3913, 0.4005

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

71.8369, 0.3409, 0.3572

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.9923, 0.3913, 0.4005 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, 147)` looks like.

```
.text, #text, p{  
    color:rgb(255, 217, 147)  
}
```

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, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 217, 147) }
```

Border

The CSS property to change the border of an element to Yxy 72.9923, 0.3913, 0.4005 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, 147) }
```

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

```
.border{ border-color:rgb(255, 217, 147) }
```

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, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 217, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 217, 147);  
box-shadow:4px 4px 4px 4px rgb(255, 217,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 72.9923, 0.3913, 0.4005 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, 147) }
```

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

```
.background{ background-color: rgb(255,  
217, 147) }
```

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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