

Converting Colors

$Y_{xy}(45.2014, 0.3824, 0.2597)$

Have a look what the booklet for
Yxy(45.2014, 0.3824, 0.2597)
contains.

Yxy(42.1222, 0.3669, 0.2559)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(42.1222, 0.3669, 0.2559)

Conversions

Conversions Part 1

Format	Color
Hex	FF84CC
RGB	255, 132, 204
RGB Percent	100%, 52%, 80%
CMY	0.0000, 0.4823, 0.1999
CMYK	0.00, 0.48, 0.20, 0.00
HSL	325°, 100%, 76%
HSV	325°, 48%, 100%
XYZ	60.3933, 42.1222, 62.0887
YIQ	176.9850, 50.1960, 48.4680

Conversions

Conversions Part 2

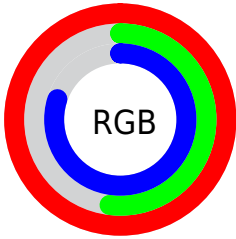
Format	Color
R _Y B	255, 132, 204
Decimal	16745676
CIE Lab	70.96, 55.05, -15.93
CIE LCh	71, 57.304, 343.863
Yxy	42.1222, 0.3669, 0.2559
Android (android.graphics.Color)	4294935756 (0xFFFF84CC)
YUV	176.9850, 13.3184, 68.4192
Hunter-Lab	64.9016, 52.5228, -11.2891

Details

The Yxy color $42.1222, 0.3669, 0.2559$ is a light color, and the websafe version is hex `FF99CC`. A complement of this color would be $79.8436, 0.2817, 0.4180$, and the grayscale version is $43.8682, 0.3127, 0.3290$.

A 20% lighter version of the original color is $64.4464, 0.3158, 0.2634$, and $19.2455, 0.3813, 0.2373$ is the 20% darker color. If you saturate the color by 10%, you get $35.5423, 0.3836, 0.2430$, and if you desaturate by 10%, it is $50.4293, 0.3521, 0.2707$.

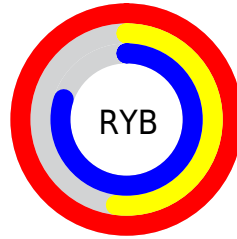
Distribution



Red (100%)

Green (52%)

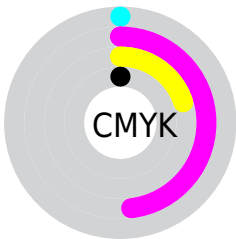
Blue (80%)



Red (100%)

Yellow (52%)

Blue (80%)

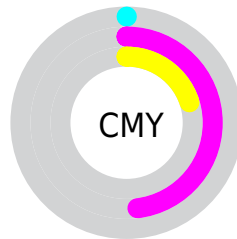


Cyan (0%)

Magenta (48%)

Yellow (20%)

Black (0%)



Cyan (0%)


Magenta (48%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.1222, 0.3669, 0.2559 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 42.1222, 0.3669, 0.2559 by changing the saturation by 10% instead.


 42.1222, 0.3669,
0.2559

 42.1222, 0.3669,
0.2559


354.9893, 0.3406,
0.2907


 29.1970, 0.3732,
0.2477


 78.3845, 0.3575,
0.2682

 19.2299, 0.3812,
0.2376


 102.4905, 0.3539,
0.2729

 11.8365, 0.3916,
0.2246


 131.0921, 0.3509,
0.2769

 6.6325, 0.4056,
0.2074

164.5737, 0.3482,
0.2804

 3.2333, 0.4255,
0.1838

203.3199, 0.3459,
0.2835

 1.2547, 0.4556,
0.1497

247.7150, 0.3439,

 0.1057, 0.5406,

0.2862

0.0357

298.1433, 0.3421,
0.2886

■ 0.0000, 0.9441,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.1222, 0.3669,
0.2559

■ 42.1222, 0.3669,
0.2559

■ 35.5423, 0.3836,
0.2430

■ 50.4293, 0.3521,
0.2707

■ 30.5593, 0.4020,
0.2330

■ 60.5725, 0.3392,
0.2862

■ 27.0311, 0.4214,
0.2273

■ 72.6569, 0.3283,
0.3019

■ 24.7884, 0.4410,
0.2268

■ 86.7784, 0.3191,
0.3171

■ 23.5980, 0.4600,
0.2315

100.0000, 0.3127,
0.3290

■ 23.4401, 0.4634,
0.2326

Harmonies

Analogous

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



42.1222, 0.2828, 0.2200



42.1222, 0.3669, 0.2559



42.1222, 0.4422, 0.3071

Triad

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



42.1222, 0.3669, 0.2559



42.1222, 0.4007, 0.4716



42.1222, 0.1729, 0.2582

Complementary

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



42.1222, 0.3669, 0.2559



79.8436, 0.2817, 0.4180

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.



42.1222, 0.1954, 0.3330



42.1222, 0.3669, 0.2559



42.1222, 0.3245, 0.4777

Square

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



42.1222, 0.3669, 0.2559



42.1222, 0.4577, 0.4250



42.1222, 0.2493, 0.4224



42.1222, 0.1807, 0.2166

Rectangle

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



42.1222, 0.3669, 0.2559



42.1222, 0.4705, 0.3459



42.1222, 0.2493, 0.4224



42.1222, 0.1769, 0.2797

Sweetspot

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



42.1237, 0.3669, 0.2559



78.3831, 0.3242, 0.3084



33.5709, 0.2556, 0.1890



16.1429, 0.3263, 0.3051



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.



42.1237, 0.3669, 0.2559



35.6780, 0.3832, 0.2432



39.7857, 0.4341, 0.3167



18.1655, 0.3202, 0.3152



12.2784, 0.4604, 0.2310



1.2173, 0.4401, 0.2198

Inverse Universe

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



42.1237, 0.3669, 0.2559



35.6780, 0.3832, 0.2432



82.8786, 0.2542, 0.3430



18.1655, 0.3202, 0.3152



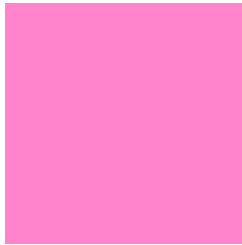
12.2784, 0.4604, 0.2310



1.2173, 0.4401, 0.2198

Previews

White Background



This preview shows how the Yxy color 42.1222, 0.3669, 0.2559 looks on a white background.

Color Contrast Check

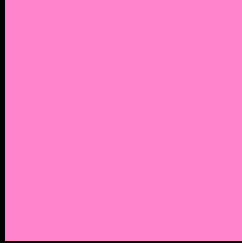
Large Text (above 18pt) WCAG AA × Fail

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 42.1222, 0.3669, 0.2559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

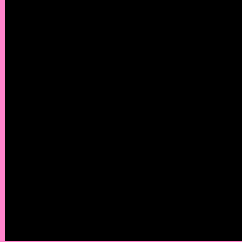
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.1222, 0.3669, 0.2559

Background



This preview shows how black text looks on a background with the Yxy color 42.1222, 0.3669, 0.2559.

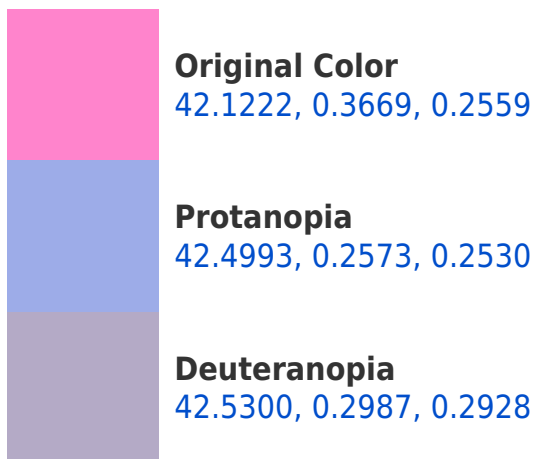


This preview shows how white text looks on a background with the Yxy color 42.1222, 0.3669, 0.2559.

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





Tritanopia

41.9699, 0.4150, 0.3176

Trichromacy



Original Color

42.1222, 0.3669, 0.2559



Protanomaly

40.7253, 0.2908, 0.2507



Deuteranomaly

41.2125, 0.3218, 0.2760



Tritanomaly

41.8510, 0.3973, 0.2934

Monochromacy



Original Color

42.1222, 0.3669, 0.2559



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

42.0567, 0.3311, 0.2970

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1222, 0.3669, 0.2559 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, 132, 204)` looks like.

```
.text, #text, p{  
    color:rgb(255, 132, 204)  
}
```

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, 132, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 132, 204) }
```

Border

The CSS property to change the border of an element to Yxy 42.1222, 0.3669, 0.2559 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, 132, 204) }
```

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

```
.border{ border-color:rgb(255, 132, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 132, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 132, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 132, 204);  
box-shadow:4px 4px 4px 4px rgb(255, 132,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1222, 0.3669, 0.2559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 132, 204) }
```

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

```
.background{ background-color: rgb(255,  
132, 204) }
```

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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