

Converting Colors

$Y_{xy}(42.0711, 0.3645, 0.2727)$

Have a look what the booklet for
Yxy(42.0711, 0.3645, 0.2727)
contains.

Yxy(41.9995, 0.3641, 0.2720)	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(41.9995, 0.3641, 0.2720)

Conversions

Conversions Part 1

Format	Color
Hex	F38DC2
RGB	243, 141, 194
RGB Percent	95%, 55%, 76%
CMY	0.0471, 0.4470, 0.2392
CMYK	0.00, 0.42, 0.20, 0.05
HSL	329°, 81%, 75%
HSV	329°, 42%, 95%
XYZ	56.2207, 41.9995, 56.1898
YIQ	177.5400, 43.7790, 38.1070

Conversions

Conversions Part 2

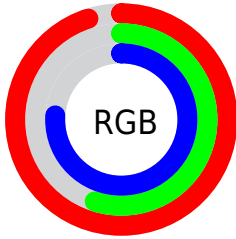
Format	Color
R _Y B	243, 141, 194
Decimal	15961538
CIE Lab	70.87, 45.27, -10.64
CIE LCh	71, 46.509, 346.769
Yxy	41.9995, 0.3641, 0.2720
Android (android.graphics.Color)	4294151618 (0xFFFF38DC2)
YUV	177.5400, 8.1148, 57.4084
Hunter-Lab	64.8070, 41.4380, -6.0414

Details

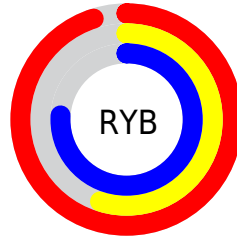
The Yxy color $41.9995, 0.3641, 0.2720$ is a light color, and the websafe version is hex FF99CC . A complement of this color would be $73.4708, 0.2814, 0.3952$, and the grayscale version is $44.2066, 0.3127, 0.3290$.

A 20% lighter version of the original color is $67.7049, 0.3183, 0.2749$, and $19.1872, 0.3792, 0.2577$ is the 20% darker color. If you saturate the color by 10%, you get $35.1000, 0.3824, 0.2593$, and if you desaturate by 10%, it is $50.5159, 0.3483, 0.2858$.

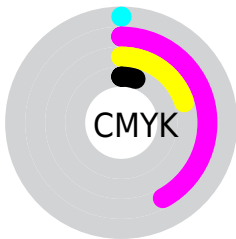
Distribution



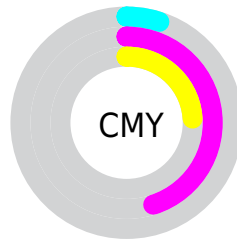
- Red (95%)
- Green (55%)
- Blue (76%)



- Red (95%)
- Yellow (55%)
- Blue (76%)



- Cyan (0%)
- Magenta (42%)
- Yellow (20%)
- Black (5%)





- Cyan (5%)
- Magenta (45%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.9995, 0.3641, 0.2720 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 41.9995, 0.3641, 0.2720 by changing the saturation by 10% instead.


 41.9995, 0.3641,
0.2720


 41.9995, 0.3641,
0.2720


354.4809, 0.3387,
0.2997

 29.1009, 0.3704,
0.2654

 78.1989, 0.3549,
0.2819

 19.1572, 0.3784,
0.2570


 102.2684, 0.3514,
0.2856

 11.7839, 0.3889,
0.2461


130.8304, 0.3485,
0.2888

 6.5967, 0.4034,
0.2314

164.2693, 0.3460,
0.2916

 3.2112, 0.4246,
0.2106

202.9693, 0.3438,
0.2940

 1.2430, 0.4581,
0.1791

247.3150, 0.3419,

 0.0964, 0.5692,

0.2961

0.0439

297.6907, 0.3402,
0.2980

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.9995, 0.3641,
0.2720

■ 41.9995, 0.3641,
0.2720

■ 35.1000, 0.3824,
0.2593

■ 50.5159, 0.3483,
0.2858

■ 29.7065, 0.4031,
0.2488

■ 60.7386, 0.3349,
0.2998

■ 25.7037, 0.4258,
0.2416

■ 72.7574, 0.3237,
0.3135

■ 22.9567, 0.4494,
0.2391

■ 86.6543, 0.3143,
0.3265

■ 21.3032, 0.4729,
0.2421

■ 97.6222, 0.3068,
0.3316

■ 20.5651, 0.4911,
0.2479

■ 97.7913, 0.3053,
0.3290

Harmonies

Analogous

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



41.9995, 0.2953, 0.2396



41.9995, 0.3641, 0.2720



41.9995, 0.4223, 0.3171

Triad

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



41.9995, 0.3641, 0.2720



41.9995, 0.3821, 0.4485



41.9995, 0.1949, 0.2677

Complementary

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



41.9995, 0.3641, 0.2720



73.4708, 0.2814, 0.3952

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.



41.9995, 0.2125, 0.3269



41.9995, 0.3641, 0.2720



41.9995, 0.3183, 0.4451

Square

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



41.9995, 0.3641, 0.2720



41.9995, 0.4301, 0.4160



41.9995, 0.2564, 0.3971



41.9995, 0.2038, 0.2338

Rectangle

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



41.9995, 0.3641, 0.2720



41.9995, 0.4431, 0.3508



41.9995, 0.2564, 0.3971



41.9995, 0.1977, 0.2849

Sweetspot

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



42.0015, 0.3641, 0.2720



79.6596, 0.3248, 0.3120



36.2922, 0.2705, 0.2107



16.3877, 0.3271, 0.3090



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.



42.0015, 0.3641, 0.2720



40.4529, 0.3789, 0.2615



40.1322, 0.4182, 0.3256



16.6264, 0.3212, 0.3168



11.3164, 0.4877, 0.2460



1.0154, 0.4610, 0.2313

Inverse Universe

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



42.0015, 0.3641, 0.2720



40.4529, 0.3789, 0.2615



76.0203, 0.2570, 0.3328



16.6264, 0.3212, 0.3168



11.3164, 0.4877, 0.2460



1.0154, 0.4610, 0.2313

Previews

White Background



This preview shows how the Yxy color 41.9995, 0.3641, 0.2720 looks on a white background.

Color Contrast Check

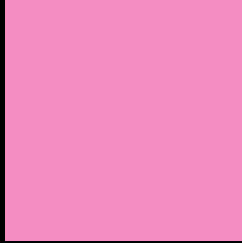
Large Text (above 18pt) WCAG AA × Fail

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 41.9995, 0.3641, 0.2720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

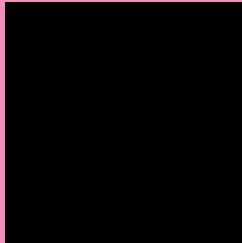
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.9995, 0.3641, 0.2720

Background



This preview shows how black text looks on a background with the Yxy color 41.9995, 0.3641, 0.2720.



This preview shows how white text looks on a background with the Yxy color 41.9995, 0.3641, 0.2720.

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

41.9995, 0.3641, 0.2720

Protanopia

42.3039, 0.2733, 0.2732

Deuteranopia

42.2404, 0.3095, 0.3030



Tritanopia

42.0337, 0.3954, 0.3169

Trichromacy



Original Color

41.9995, 0.3641, 0.2720



Protanomaly

41.3322, 0.3028, 0.2721



Deuteranomaly

41.5370, 0.3277, 0.2898



Tritanomaly

41.7546, 0.3835, 0.2993

Monochromacy



Original Color

41.9995, 0.3641, 0.2720



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

42.9275, 0.3305, 0.3054

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9995, 0.3641, 0.2720 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(243, 141, 194)` looks like.

```
.text, #text, p{  
    color:rgb(243, 141, 194)  
}
```

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(243, 141, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 141, 194) }
```

Border

The CSS property to change the border of an element to Yxy 41.9995, 0.3641, 0.2720 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(243, 141, 194) }
```

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

```
.border{ border-color:rgb(243, 141, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 141, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 141, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 141, 194);  
box-shadow:4px 4px 4px 4px rgb(243, 141,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 41.9995, 0.3641, 0.2720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 141, 194) }
```

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

```
.background{ background-color: rgb(243,  
141, 194) }
```

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