

Converting Colors

$Y_{xy}(72.9286, 0.3140, 0.2821)$

Have a look what the booklet for
Yxy(72.9286, 0.3140, 0.2821)
contains.

Yxy(72.9165, 0.3142, 0.2820)	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(72.9165, 0.3142, 0.2820)

Conversions

Conversions Part 1

Format	Color
Hex	FECFFF
RGB	254, 207, 255
RGB Percent	100%, 81%, 100%
CMY	0.0038, 0.1882, 0.0000
CMYK	0.00, 0.19, 0.00, 0.00
HSL	299°, 100%, 91%
HSV	299°, 19%, 100%
XYZ	81.2424, 72.9165, 104.4102
YIQ	226.5250, 12.6040, 24.8920

Conversions

Conversions Part 2

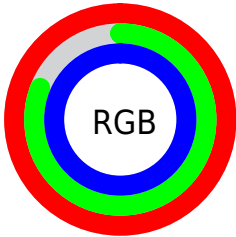
Format	Color
R _Y B	254, 207, 255
Decimal	16699391
CIE _{Lab}	88.41, 24.48, -17.21
CIE _{LCh}	88, 29.926, 324.896
Y _{xy}	72.9165, 0.3142, 0.2820
Android (android.graphics.Color)	4294889471 (0xFFFECEFF)
Y _{UV}	226.5250, 14.0382, 24.0956
Hunter-Lab	85.3912, 20.3930, -12.7218

Details

The Yxy color **72.9165, 0.3142, 0.2820** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **89.4314, 0.3109, 0.3807**, and the grayscale version is **76.3450, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.4040, 0.3145, 0.2717** is the 20% darker color. If you saturate the color by 10%, you get **61.4468, 0.3149, 0.2568**, and if you desaturate by 10%, it is **86.3864, 0.3134, 0.3073**.

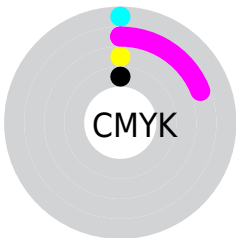
Distribution



- Red (100%)
- Green (81%)
- Blue (100%)



- Red (100%)
- Yellow (81%)
- Blue (100%)



- Cyan (0%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.9165, 0.3142, 0.2820 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 72.9165, 0.3142, 0.2820 by changing the saturation by 10% instead.


 72.9165, 0.3142,
0.2820

 72.9165, 0.3142,
0.2820


470.7254, 0.3139,
0.3029

 53.9077, 0.3142,
0.2774


123.3587, 0.3141,
0.2891

 38.5279, 0.3142,
0.2719


155.5608, 0.3141,
0.2919

 26.3926, 0.3141,
0.2650


192.9295, 0.3141,
0.2943

 17.1176, 0.3139,
0.2563

235.8492, 0.3140,
0.2965

 10.3184, 0.3134,
0.2448

284.7042, 0.3140,
0.2983

 5.6106, 0.3125,
0.2291

339.8790, 0.3139,

 2.6098, 0.3105,

0.3000

0.2066

401.7579, 0.3139,
0.3015

0.9316, 0.3056,
0.1716

0.0000, 0.2983,
0.0000

72.9165, 0.3142,
0.2820

72.9165, 0.3142,
0.2820

61.4468, 0.3149,
0.2568

86.3864, 0.3134,
0.3073

51.8746, 0.3156,
0.2324

100.0000, 0.3127,
0.3290

44.0989, 0.3160,
0.2099

38.0064, 0.3164,
0.1902

■ 33.4708, 0.3165,
0.1742

■ 30.3481, 0.3164,
0.1625

■ 28.4678, 0.3162,
0.1551

■ 27.5824, 0.3158,
0.1516

■ 27.5060, 0.3157,
0.1513

Harmonies

Analogous

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



72.9165, 0.2797, 0.2709



72.9165, 0.3142, 0.2820



72.9165, 0.3502, 0.3040

Triad

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



72.9165, 0.3142, 0.2820



72.9165, 0.3721, 0.3846



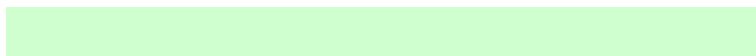
72.9165, 0.2526, 0.3203

Complementary

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



72.9165, 0.3142, 0.2820



89.4314, 0.3109, 0.3807

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.



72.9165, 0.2749, 0.3552



72.9165, 0.3142, 0.2820



72.9165, 0.3437, 0.3938

Square

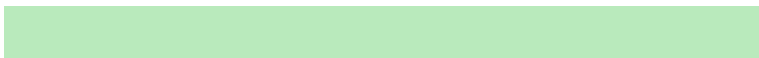
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



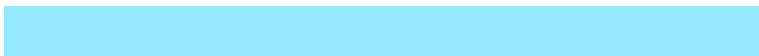
72.9165, 0.3142, 0.2820



72.9165, 0.3846, 0.3615



72.9165, 0.3080, 0.3833



72.9165, 0.2457, 0.2905

Rectangle

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



72.9165, 0.3142, 0.2820



72.9165, 0.3695, 0.3225



72.9165, 0.3080, 0.3833



72.9165, 0.2584, 0.3319

Sweetspot

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



72.9188, 0.3142, 0.2820



90.5645, 0.3132, 0.3143



65.8884, 0.2815, 0.2790



19.1746, 0.3133, 0.3127



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.



72.9188, 0.3142, 0.2820



67.8916, 0.3145, 0.2714



71.7445, 0.3307, 0.3034



18.2804, 0.3135, 0.3056



14.3811, 0.3158, 0.1513



1.4060, 0.3164, 0.1517

Inverse Universe

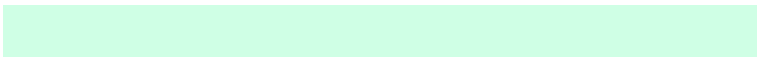
The Inverse Universe completely reimagines the original color for something new.



70.4371, 0.3491, 0.3281



64.9543, 0.3594, 0.3279



90.4644, 0.2979, 0.3561



17.9931, 0.3291, 0.3286



11.1174, 0.6380, 0.3288



1.0845, 0.6331, 0.3261

Previews

White Background



This preview shows how the Yxy color 72.9165, 0.3142, 0.2820 looks on a white background.

Color Contrast Check

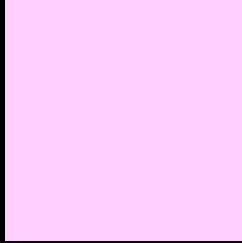
Large Text (above 18pt) WCAG AA × Fail

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 72.9165, 0.3142, 0.2820 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

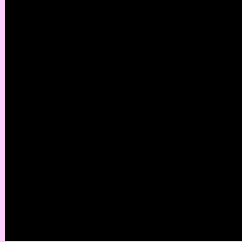
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.9165, 0.3142, 0.2820

Background



This preview shows how black text looks on a background with the Yxy color 72.9165, 0.3142, 0.2820.



This preview shows how white text looks on a background with the Yxy color 72.9165, 0.3142, 0.2820.

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

72.9165, 0.3142, 0.2820

Protanopia

73.3800, 0.2874, 0.2932

Deuteranopia

72.8616, 0.2978, 0.2908



Tritanopia

73.0124, 0.3298, 0.3128

Trichromacy



Original Color

72.9165, 0.3142, 0.2820

Protanomaly

72.9897, 0.2965, 0.2889

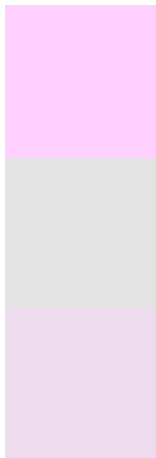
Deuteranomaly

72.9214, 0.3033, 0.2875

Tritanomaly

72.7755, 0.3236, 0.3009

Monochromacy



Original Color

72.9165, 0.3142, 0.2820

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

75.3053, 0.3135, 0.3115

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.9165, 0.3142, 0.2820 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(254, 207, 255)` looks like.

```
.text, #text, p{  
    color:rgb(254, 207, 255)  
}
```

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(254, 207, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 207, 255) }
```

Border

The CSS property to change the border of an element to Yxy 72.9165, 0.3142, 0.2820 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(254, 207, 255) }
```

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

```
.border{ border-color:rgb(254, 207, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 207, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 207, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 207, 255);  
box-shadow:4px 4px 4px 4px rgb(254, 207,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 72.9165, 0.3142, 0.2820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 207, 255) }
```

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

```
.background{ background-color: rgb(254,  
207, 255) }
```

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