

Converting Colors

$Y_{xy}(78.2308, 0.3144, 0.2923)$

Have a look what the booklet for
Yxy(78.2308, 0.3144, 0.2923)
contains.

Yxy(78.1057, 0.3145, 0.2920)	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(78.1057, 0.3145, 0.2920)

Conversions

Conversions Part 1

Format	Color
Hex	FFD9FF
RGB	255, 217, 255
RGB Percent	100%, 85%, 100%
CMY	0.0000, 0.1491, 0.0000
CMYK	0.00, 0.15, 0.00, 0.00
HSL	300°, 100%, 93%
HSV	300°, 15%, 100%
XYZ	84.1241, 78.1057, 105.2555
YIQ	232.6940, 10.4500, 19.8740

Conversions

Conversions Part 2

Format	Color
R _Y B	255, 217, 255
Decimal	16767487
CIE Lab	90.83, 19.60, -13.57
CIE LCh	91, 23.834, 325.303
Yxy	78.1057, 0.3145, 0.2920
Android (android.graphics.Color)	4294957567 (0xFFFFD9FF)
YUV	232.6940, 10.9969, 19.5624
Hunter-Lab	88.3774, 15.2489, -8.7488

Details

The Yxy color **78.1057, 0.3145, 0.2920** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **91.2768, 0.3108, 0.3690**, and the grayscale version is **81.1420, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.9236, 0.3148, 0.2844** is the 20% darker color. If you saturate the color by 10%, you get **65.9502, 0.3156, 0.2668**, and if you desaturate by 10%, it is **92.2688, 0.3133, 0.3170**.

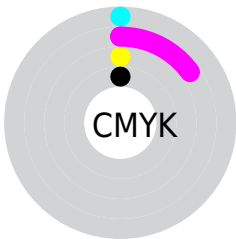
Distribution



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



- Red (100%)
- Yellow (85%)
- Blue (100%)



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





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

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.1057, 0.3145, 0.2920 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 78.1057, 0.3145, 0.2920 by changing the saturation by 10% instead.

 78.1057, 0.3145,
0.2920

 78.1057, 0.3145,
0.2920

488.5257, 0.3139,
0.3084

 58.1608, 0.3146,
0.2884


130.6991, 0.3143,
0.2976

 41.9379, 0.3147,
0.2841


164.1164, 0.3143,
0.2998

 29.0527, 0.3147,
0.2787


202.7933, 0.3142,
0.3017

 19.1207, 0.3148,
0.2719

247.1143, 0.3141,
0.3033

 11.7575, 0.3148,
0.2629

297.4636, 0.3141,
0.3048

 6.5788, 0.3145,
0.2506

354.2256, 0.3140,

 3.2001, 0.3138,

0.3061

0.2329

417.7849, 0.3140,
0.3073

■ 1.2371, 0.3118,
0.2051

■ 0.0917, 0.3311,
0.0537

■ 78.1057, 0.3145,
0.2920

■ 78.1057, 0.3145,
0.2920

■ 65.9502, 0.3156,
0.2668

■ 92.2688, 0.3133,
0.3170

■ 55.7442, 0.3168,
0.2422

100.0000, 0.3127,
0.3290

■ 47.3760, 0.3179,
0.2191

■ 40.7363, 0.3188,
0.1985

■ 35.7045, 0.3196,
0.1814

■ 32.1442, 0.3203,
0.1684

■ 29.8970, 0.3207,
0.1598

■ 28.7673, 0.3209,
0.1553

■ 28.4800, 0.3209,
0.1542

Harmonies

Analogous

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



78.1057, 0.2873, 0.2831



78.1057, 0.3145, 0.2920



78.1057, 0.3423, 0.3097

Triad

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



78.1057, 0.3145, 0.2920



78.1057, 0.3589, 0.3728



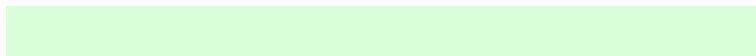
78.1057, 0.2653, 0.3223

Complementary

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



78.1057, 0.3145, 0.2920



91.2768, 0.3108, 0.3690

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.



78.1057, 0.2830, 0.3490



78.1057, 0.3145, 0.2920



78.1057, 0.3369, 0.3790

Square

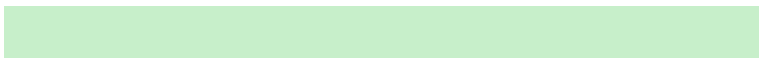
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



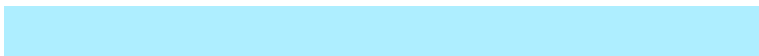
78.1057, 0.3145, 0.2920



78.1057, 0.3685, 0.3554



78.1057, 0.3090, 0.3704



78.1057, 0.2599, 0.2991

Rectangle

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



78.1057, 0.3145, 0.2920



78.1057, 0.3570, 0.3246



78.1057, 0.3090, 0.3704



78.1057, 0.2700, 0.3312

Sweetspot

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



78.0941, 0.3145, 0.2920



93.6639, 0.3132, 0.3192



71.5823, 0.2885, 0.2890



19.8010, 0.3133, 0.3174



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.



78.0941, 0.3145, 0.2920



74.1300, 0.3148, 0.2842



76.9296, 0.3273, 0.3102



18.3004, 0.3138, 0.3056



14.8814, 0.3209, 0.1542



1.4490, 0.3209, 0.1542

Inverse Universe

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



78.0941, 0.3145, 0.2920



74.1300, 0.3148, 0.2842



92.3237, 0.3002, 0.3486



18.3004, 0.3138, 0.3056



14.8814, 0.3209, 0.1542



1.4490, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 78.1057, 0.3145, 0.2920 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 78.1057, 0.3145, 0.2920 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 78.1057, 0.3145, 0.2920

Background



This preview shows how black text looks on a background with the Yxy color 78.1057, 0.3145, 0.2920.



This preview shows how white text looks on a background with the Yxy color 78.1057, 0.3145, 0.2920.

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

78.1057, 0.3145, 0.2920

Protanopia

78.5541, 0.2934, 0.3012

Deuteranopia

78.4564, 0.3046, 0.2979



Tritanopia

77.9963, 0.3242, 0.3121

Trichromacy



Original Color

78.1057, 0.3145, 0.2920

Protanomaly

78.1935, 0.3006, 0.2977

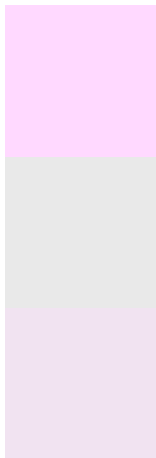
Deuteranomaly

78.2811, 0.3080, 0.2962

Tritanomaly

78.0773, 0.3203, 0.3043

Monochromacy



Original Color

78.1057, 0.3145, 0.2920

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

79.9898, 0.3134, 0.3148

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.1057, 0.3145, 0.2920 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, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 217, 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(255, 217, 255) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 78.1057, 0.3145, 0.2920 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, 255) }
```

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

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

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, 255)` colored shadow looks like.

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


Background

The CSS property to change the background color of an element to Yxy 78.1057, 0.3145, 0.2920 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, 255) }
```

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

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