

Converting Colors

$Y_{xy}(100.0000, 0.4156, 0.3003)$

Have a look what the booklet for
Yxy(100.0000, 0.4156, 0.3003)
contains.

| | |
|--|----|
| Yxy(68.3981, 0.3261, 0.2882) | 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(68.3981, 0.3261, 0.2882)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FFC7F0 |
| RGB | 255, 199, 240 |
| RGB Percent | 100%, 78%, 94% |
| CMY | 0.0000, 0.2196, 0.0589 |
| CMYK | 0.00, 0.22, 0.06, 0.00 |
| HSL | 316°, 100%, 89% |
| HSV | 316°, 22%, 100% |
| XYZ | 77.3929, 68.3981, 91.5376 |
| YIQ | 220.4180, 20.2150, 24.6230 |

Conversions

Conversions Part 2

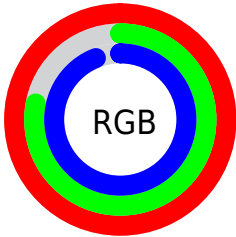
| Format | Color |
|-------------------------------------|------------------------------|
| R _{YB} | 255, 199, 240 |
| Decimal | 16762864 |
| CIE _{Lab} | 86.21, 26.36, -12.54 |
| CIE _{LCh} | 86, 29.193, 334.552 |
| Yxy | 68.3981, 0.3261, 0.2882 |
| Android (android.graphics.Color) | 4294952944 (0xFFFFC7F0) |
| YUV | 220.4180, 9.6539, 30.3284 |
| Hunter-Lab | 82.7031, 22.3082, -7.7313 |

Details

The Yxy color $68.3981, 0.3261, 0.2882$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $88.5191, 0.3016, 0.3736$, and the grayscale version is $71.7958, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $35.7173, 0.3291, 0.2795$ is the 20% darker color. If you saturate the color by 10%, you get $57.2307, 0.3338, 0.2690$, and if you desaturate by 10%, it is $81.5457, 0.3194, 0.3072$.

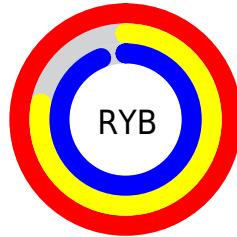
Distribution



Red (100%)

Green (78%)

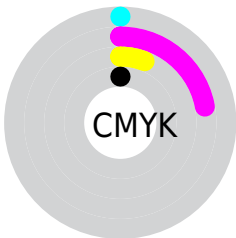
Blue (94%)



Red (100%)

Yellow (78%)

Blue (94%)

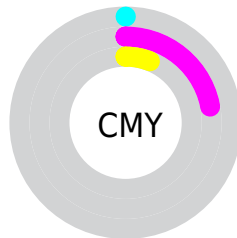


Cyan (0%)

Magenta (22%)

Yellow (6%)

Black (0%)



Cyan (0%)


Magenta (22%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.3981, 0.3261, 0.2882 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 68.3981, 0.3261, 0.2882 by changing the saturation by 10% instead.


 68.3981, 0.3261,
0.2882

 68.3981, 0.3261,
0.2882


454.9052, 0.3202,
0.3066

 50.2217, 0.3274,
0.2841


116.9215, 0.3241,
0.2945

 35.5896, 0.3290,
0.2791


148.0372, 0.3233,
0.2970

 24.1174, 0.3309,
0.2728


184.2348, 0.3226,
0.2991

 15.4207, 0.3334,
0.2648

225.8988, 0.3220,
0.3010

 9.1152, 0.3367,
0.2541

273.4134, 0.3214,
0.3027

 4.8164, 0.3412,
0.2392


327.1630, 0.3210,


 2.1399, 0.3476,


0.3041


0.2170

387.5322, 0.3205,
0.3054

 0.6869, 0.3586,
0.1781


 0.0000, 0.3679,
0.0000

 68.3981, 0.3261,
0.2882


 68.3981, 0.3261,
0.2882

 57.2307, 0.3338,
0.2690

 81.5457, 0.3194,
0.3072

 47.9471, 0.3425,
0.2504

 96.7666, 0.3137,
0.3255

 40.4404, 0.3523,
0.2331

100.0000, 0.3127,
0.3290

 34.5934, 0.3628,
0.2184

■ 30.2748, 0.3739,
0.2072

■ 27.3334, 0.3852,
0.2005

■ 25.5868, 0.3962,
0.1987

■ 24.8291, 0.4048,
0.2004

Harmonies

Analogous

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



68.3981, 0.2901, 0.2732



68.3981, 0.3261, 0.2882



68.3981, 0.3601, 0.3127

Triad

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



68.3981, 0.3261, 0.2882



68.3981, 0.3642, 0.3892



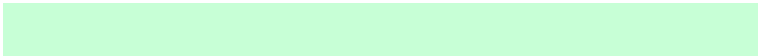
68.3981, 0.2488, 0.3097

Complementary

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



68.3981, 0.3261, 0.2882



88.5191, 0.3016, 0.3736

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.



68.3981, 0.2664, 0.3440



68.3981, 0.3261, 0.2882



68.3981, 0.3325, 0.3924

Square

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



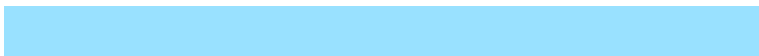
68.3981, 0.3261, 0.2882



68.3981, 0.3824, 0.3699



68.3981, 0.2967, 0.3756



68.3981, 0.2472, 0.2836

Rectangle

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



68.3981, 0.3261, 0.2882



68.3981, 0.3761, 0.3320



68.3981, 0.2967, 0.3756



68.3981, 0.2529, 0.3207

Sweetspot

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



68.3975, 0.3261, 0.2882



88.8305, 0.3165, 0.3164



62.3543, 0.2857, 0.2691



18.8177, 0.3168, 0.3153



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.



68.3975, 0.3261, 0.2882



63.6527, 0.3291, 0.2804



66.8649, 0.3473, 0.3157



18.2123, 0.3179, 0.3118



12.9999, 0.4031, 0.1994



1.2840, 0.3916, 0.1931

Inverse Universe

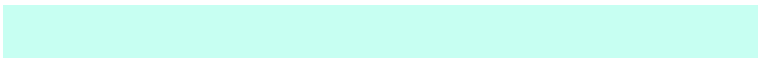
The Inverse Universe completely reimagines the original color for something new.



68.3975, 0.3261, 0.2882



63.6527, 0.3291, 0.2804



90.0693, 0.2867, 0.3428



18.2123, 0.3179, 0.3118



12.9999, 0.4031, 0.1994



1.2840, 0.3916, 0.1931

Previews

White Background



This preview shows how the Yxy color 68.3981, 0.3261, 0.2882 looks on a white background.

Color Contrast Check

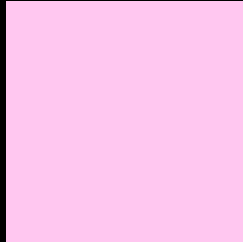
Large Text (above 18pt) WCAG AA × Fail

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 68.3981, 0.3261, 0.2882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

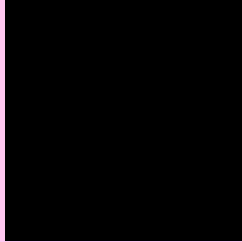
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.3981, 0.3261, 0.2882

Background



This preview shows how black text looks on a background with the Yxy color 68.3981, 0.3261, 0.2882.



This preview shows how white text looks on a background with the Yxy color 68.3981, 0.3261, 0.2882.

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

68.3981, 0.3261, 0.2882

Protanopia

68.6969, 0.2868, 0.2902

Deuteranopia

68.5971, 0.3061, 0.2993



Tritanopia

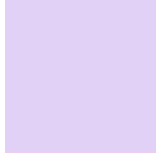
68.4693, 0.3398, 0.3137

Trichromacy



Original Color

68.3981, 0.3261, 0.2882



Protanomaly

68.4235, 0.3001, 0.2901



Deuteranomaly

68.3791, 0.3128, 0.2948



Tritanomaly

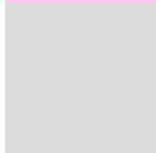
68.6147, 0.3346, 0.3047

Monochromacy



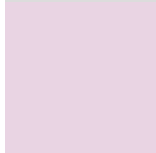
Original Color

68.3981, 0.3261, 0.2882



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

69.9567, 0.3179, 0.3131

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.3981, 0.3261, 0.2882 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, 199, 240)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 240)  
}
```

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, 199, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 240) }
```

Border

The CSS property to change the border of an element to Yxy 68.3981, 0.3261, 0.2882 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, 199, 240) }
```

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

```
.border{ border-color:rgb(255, 199, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 199, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 240);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 68.3981, 0.3261, 0.2882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 199, 240) }
```

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

```
.background{ background-color: rgb(255,  
199, 240) }
```

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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