

Converting Colors

$Y_{xy}(50.7047, 0.2920, 0.2365)$

Have a look what the booklet for
Yxy(50.7047, 0.2920, 0.2365)
contains.

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Color

Yxy(50.7047, 0.2920, 0.2365)

Conversions

Conversions Part 1

Format	Color
Hex	E0A7FF
RGB	224, 167, 255
RGB Percent	88%, 65%, 100%
CMY	0.1216, 0.3450, 0.0000
CMYK	0.12, 0.35, 0.00, 0.00
HSL	279°, 100%, 83%
HSV	279°, 35%, 100%
XYZ	62.6037, 50.7047, 101.0878
YIQ	194.0750, 5.7240, 39.4520

Conversions

Conversions Part 2

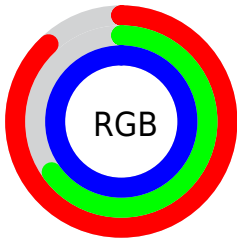
Format	Color
RYB	224, 167, 255
Decimal	14723071
CIELab	76.50, 36.33, -35.63
CIElCh	76, 50.882, 315.559
Yxy	50.7047, 0.2920, 0.2365
Android (android.graphics.Color)	4292913151 (0xFFE0A7FF)
YUV	194.0750, 30.0360, 26.2442
Hunter-Lab	71.2072, 32.3203, -34.3247

Details

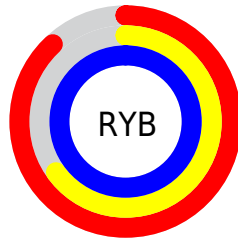
The Yxy color $50.7047, 0.2920, 0.2365$ is a light color, and the websafe version is hex $CC99FF$. A complement of this color would be $86.3145, 0.3267, 0.4271$, and the grayscale version is $53.8127, 0.3127, 0.3290$.

A 20% lighter version of the original color is $81.2554, 0.3142, 0.2980$, and $24.4367, 0.2858, 0.2158$ is the 20% darker color. If you saturate the color by 10%, you get $40.8680, 0.2839, 0.2084$, and if you desaturate by 10%, it is $62.4634, 0.2992, 0.2647$.

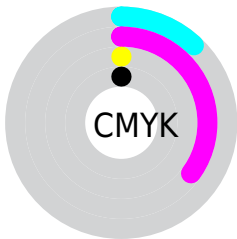
Distribution



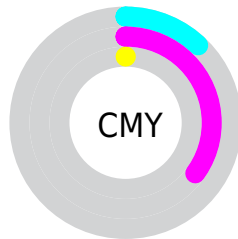
- Red (88%)
- Green (65%)
- Blue (100%)



- Red (88%)
- Yellow (65%)
- Blue (100%)



- Cyan (12%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)




- Cyan (12%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.7047, 0.2920, 0.2365 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 50.7047, 0.2920, 0.2365 by changing the saturation by 10% instead.


 50.7047, 0.2920,
0.2365

 50.7047, 0.2920,
0.2365

389.4154, 0.3031,
0.2785

 35.9736, 0.2891,
0.2272


 91.2181, 0.2961,
0.2509

 24.4138, 0.2854,
0.2159


 117.7693, 0.2977,
0.2565

 15.6409, 0.2804,
0.2018


149.0293, 0.2990,
0.2614

 9.2704, 0.2735,
0.1841

185.3825, 0.3000,
0.2657

 4.9180, 0.2634,
0.1610

227.2133, 0.3010,
0.2695

 2.1992, 0.2477,
0.1305

274.9061, 0.3018,

 0.7196, 0.2216,

0.2728

0.0885

328.8454, 0.3025,
0.2758

0.0000, 0.1693,
0.0000

0.0000, 0.0000,
0.0000

50.7047, 0.2920,
0.2365

50.7047, 0.2920,
0.2365

40.8680, 0.2839,
0.2084

62.4634, 0.2992,
0.2647

32.8369, 0.2750,
0.1815

76.2388, 0.3054,
0.2920

26.4924, 0.2656,
0.1571

92.1268, 0.3106,
0.3179

21.6977, 0.2558,
0.1364

99.9995, 0.3127,
0.3290

■ 18.2940, 0.2462,
0.1205

■ 16.0866, 0.2371,
0.1096

■ 15.2314, 0.2323,
0.1053

Harmonies

Analogous

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



50.7047, 0.2345, 0.2230



50.7047, 0.2920, 0.2365



50.7047, 0.3626, 0.2690

Triad

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



50.7047, 0.2920, 0.2365



50.7047, 0.4344, 0.4161



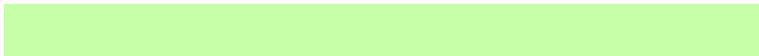
50.7047, 0.2113, 0.3296

Complementary

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



50.7047, 0.2920, 0.2365



86.3145, 0.3267, 0.4271

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.



50.7047, 0.2571, 0.4018



50.7047, 0.2920, 0.2365



50.7047, 0.3860, 0.4509

Square

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



50.7047, 0.2920, 0.2365



50.7047, 0.4501, 0.3663



50.7047, 0.3209, 0.4497



50.7047, 0.1923, 0.2679

Rectangle

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



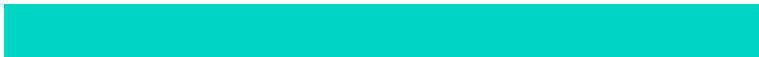
50.7047, 0.2920, 0.2365



50.7047, 0.4060, 0.2984



50.7047, 0.3209, 0.4497



50.7047, 0.2238, 0.3539

Sweetspot

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



50.7068, 0.2920, 0.2365



83.1308, 0.3079, 0.3039



56.4091, 0.2551, 0.2642



17.3233, 0.3071, 0.3002



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.



50.7068, 0.2920, 0.2365



44.1052, 0.2868, 0.2182



55.3881, 0.3261, 0.2534



17.9613, 0.3081, 0.3052



8.0459, 0.2337, 0.1061



0.8445, 0.2437, 0.1116

Inverse Universe

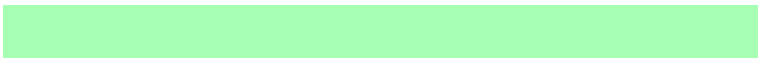
The Inverse Universe completely reimagines the original color for something new.



52.9795, 0.3657, 0.2969



46.8173, 0.3802, 0.2907



82.9765, 0.3018, 0.4187



18.0928, 0.3239, 0.3207



11.5190, 0.5574, 0.2844



1.1414, 0.5259, 0.2671

Previews

White Background



This preview shows how the Yxy color 50.7047, 0.2920, 0.2365 looks on a white background.

Color Contrast Check

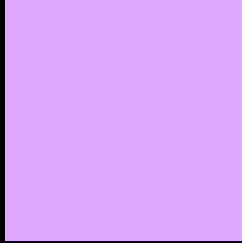
Large Text (above 18pt) WCAG AA × Fail

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 50.7047, 0.2920, 0.2365 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

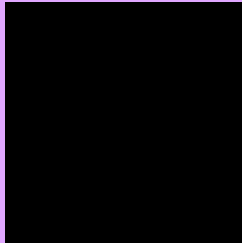
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.7047, 0.2920, 0.2365

Background



This preview shows how black text looks on a background with the Yxy color 50.7047, 0.2920, 0.2365.



This preview shows how white text looks on a background with the Yxy color 50.7047, 0.2920, 0.2365.

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

50.7047, 0.2920, 0.2365

Protanopia

51.1957, 0.2544, 0.2496

Deuteranopia

50.9671, 0.2591, 0.2529



Tritanopia

50.3866, 0.3317, 0.3125

Trichromacy



Original Color

50.7047, 0.2920, 0.2365



Protanomaly

50.6813, 0.2668, 0.2442



Deuteranomaly

50.4749, 0.2706, 0.2464

Tritanomaly

50.5232, 0.3166, 0.2824

Monochromacy



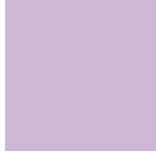
Original Color

50.7047, 0.2920, 0.2365



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

52.2180, 0.3055, 0.2916

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.7047, 0.2920, 0.2365 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(224, 167, 255)` looks like.

```
.text, #text, p{  
    color:rgb(224, 167, 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(224, 167, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 167, 255) }
```

Border

The CSS property to change the border of an element to Yxy 50.7047, 0.2920, 0.2365 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(224, 167, 255) }
```

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

```
.border{ border-color:rgb(224, 167, 255) }
```

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

Here you see how a box with a 4 pixel rgb(224, 167, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 167, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 167, 255);  
box-shadow:4px 4px 4px 4px rgb(224, 167,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 50.7047, 0.2920, 0.2365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 167, 255) }
```

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

```
.background{ background-color: rgb(224,  
167, 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](#).

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