

Converting Colors

$Y_{xy}(64.7373, 0.3014, 0.2692)$

Have a look what the booklet for
Yxy(64.7373, 0.3014, 0.2692)
contains.

Yxy(64.5327, 0.3014, 0.2687)	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(64.5327, 0.3014, 0.2687)

Conversions

Conversions Part 1

Format	Color
Hex	ECC4FF
RGB	236, 196, 255
RGB Percent	93%, 77%, 100%
CMY	0.0744, 0.2314, 0.0000
CMYK	0.07, 0.23, 0.00, 0.00
HSL	281°, 100%, 88%
HSV	281°, 23%, 100%
XYZ	72.3861, 64.5327, 103.2475
YIQ	214.6860, 4.9010, 26.8290

Conversions

Conversions Part 2

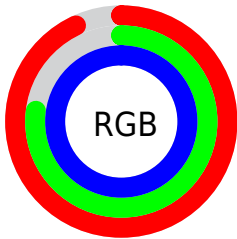
Format	Color
R _Y B	236, 196, 255
Decimal	15516927
CIE Lab	84.24, 24.53, -23.66
CIE LCh	84, 34.077, 316.036
Yxy	64.5327, 0.3014, 0.2687
Android (android.graphics.Color)	4293707007 (0xFFECC4FF)
YUV	214.6860, 19.8748, 18.6924
Hunter-Lab	80.3322, 20.2621, -19.9703

Details

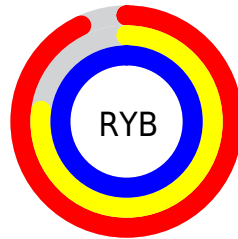
The Yxy color $64.5327, 0.3014, 0.2687$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $89.9492, 0.3215, 0.3921$, and the grayscale version is $67.5952, 0.3127, 0.3290$.

A 20% lighter version of the original color is $98.7306, 0.3128, 0.3271$, and $33.1265, 0.2985, 0.2556$ is the 20% darker color. If you saturate the color by 10%, you get $52.6207, 0.2951, 0.2409$, and if you desaturate by 10%, it is $78.4696, 0.3068, 0.2957$.

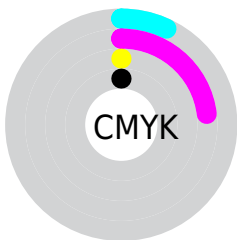
Distribution



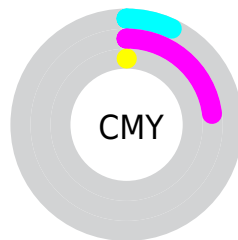
- Red (93%)
- Green (77%)
- Blue (100%)



- Red (93%)
- Yellow (77%)
- Blue (100%)



- Cyan (7%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)





- Cyan (7%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.5327, 0.3014, 0.2687 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 64.5327, 0.3014, 0.2687 by changing the saturation by 10% instead.

 64.5327, 0.3014,
0.2687

 64.5327, 0.3014,
0.2687


441.1108, 0.3072,
0.2958

 47.0823, 0.3000,
0.2627

 111.3778, 0.3035,
0.2780

 33.1007, 0.2981,
0.2554


141.5412, 0.3043,
0.2816

 22.2036, 0.2957,
0.2463


176.7110, 0.3050,
0.2848

 14.0066, 0.2924,
0.2347

217.2717, 0.3055,
0.2875

 8.1252, 0.2877,
0.2194

263.6076, 0.3060,
0.2900

 4.1752, 0.2805,
0.1985

316.1032, 0.3065,

 1.7720, 0.2684,

0.2922

0.1684

375.1428, 0.3068,
0.2941

0.4697, 0.2490,
0.1101

0.0000, 0.0000,
0.0000

64.5327, 0.3014,
0.2687

64.5327, 0.3014,
0.2687

52.6207, 0.2951,
0.2409

78.4696, 0.3068,
0.2957

42.6257, 0.2879,
0.2131

94.5157, 0.3114,
0.3213

34.4422, 0.2799,
0.1865

100.0000, 0.3127,
0.3290

27.9507, 0.2714,
0.1623

■ 23.0174, 0.2625,
0.1417

■ 19.4873, 0.2537,
0.1256

■ 17.1723, 0.2452,
0.1145

■ 16.1006, 0.2396,
0.1094

Harmonies

Analogous

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



64.5327, 0.2636, 0.2600



64.5327, 0.3014, 0.2687



64.5327, 0.3450, 0.2909

Triad

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



64.5327, 0.3014, 0.2687



64.5327, 0.3896, 0.3874



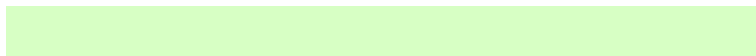
64.5327, 0.2479, 0.3304

Complementary

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



64.5327, 0.3014, 0.2687



89.9492, 0.3215, 0.3921

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.



64.5327, 0.2783, 0.3719



64.5327, 0.3014, 0.2687



64.5327, 0.3603, 0.4050

Square

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



64.5327, 0.3014, 0.2687



64.5327, 0.3979, 0.3567



64.5327, 0.3193, 0.4004



64.5327, 0.2344, 0.2921

Rectangle

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



64.5327, 0.3014, 0.2687



64.5327, 0.3708, 0.3111



64.5327, 0.3193, 0.4004



64.5327, 0.2564, 0.3446

Sweetspot

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



64.5354, 0.3014, 0.2687



88.0624, 0.3098, 0.3116



67.8962, 0.2749, 0.2859



18.6394, 0.3095, 0.3101



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.



64.5354, 0.3014, 0.2687



58.4960, 0.2984, 0.2552



67.3419, 0.3225, 0.2803



17.9903, 0.3086, 0.3052



8.4968, 0.2409, 0.1101



0.8862, 0.2502, 0.1152

Inverse Universe

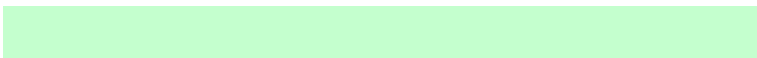
The Inverse Universe completely reimagines the original color for something new.



65.6444, 0.3455, 0.3097



59.8590, 0.3546, 0.3054



87.7036, 0.3043, 0.3832



18.0834, 0.3243, 0.3214



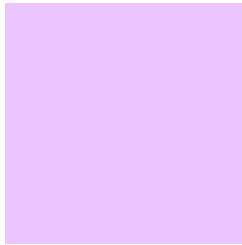
11.4514, 0.5690, 0.2908



1.1340, 0.5371, 0.2732

Previews

White Background



This preview shows how the Yxy color 64.5327, 0.3014, 0.2687 looks on a white background.

Color Contrast Check

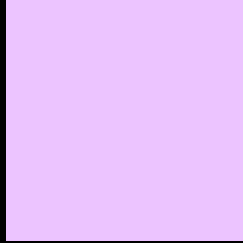
Large Text (above 18pt) WCAG AA × Fail

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 64.5327, 0.3014, 0.2687 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

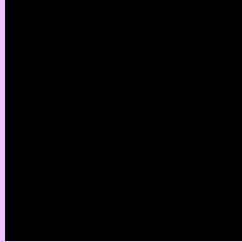
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.5327, 0.3014, 0.2687

Background



This preview shows how black text looks on a background with the Yxy color 64.5327, 0.3014, 0.2687.



This preview shows how white text looks on a background with the Yxy color 64.5327, 0.3014, 0.2687.

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

64.5327, 0.3014, 0.2687

Protanopia

64.9630, 0.2763, 0.2787

Deuteranopia

64.9361, 0.2845, 0.2784



Tritanopia

64.6493, 0.3220, 0.3117

Trichromacy



Original Color

64.5327, 0.3014, 0.2687

Protanomaly

64.4028, 0.2846, 0.2744

Deuteranomaly

64.4569, 0.2900, 0.2739

Tritanomaly

64.2906, 0.3143, 0.2950

Monochromacy



Original Color

64.5327, 0.3014, 0.2687

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

66.5129, 0.3087, 0.3052

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.5327, 0.3014, 0.2687 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(236, 196, 255)` looks like.

```
.text, #text, p{  
    color:rgb(236, 196, 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(236, 196, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 196, 255) }
```

Border

The CSS property to change the border of an element to Yxy 64.5327, 0.3014, 0.2687 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(236, 196, 255) }
```

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

```
.border{ border-color:rgb(236, 196, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 196, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 196, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 196, 255);  
box-shadow:4px 4px 4px 4px rgb(236, 196,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 64.5327, 0.3014, 0.2687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 196, 255) }
```

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

```
.background{ background-color: rgb(236,  
196, 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