

Converting Colors

Yxy(67.6114, 0.2688, 0.2259)

Have a look what the booklet for
Yxy(67.6114, 0.2688, 0.2259)
contains.

Yxy(64.0235, 0.2992, 0.2683)	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(64.0235, 0.2992, 0.2683)

Conversions

Conversions Part 1

Format	Color
Hex	E9C4FF
RGB	233, 196, 255
RGB Percent	91%, 77%, 100%
CMY	0.0862, 0.2314, 0.0000
CMYK	0.09, 0.23, 0.00, 0.00
HSL	278°, 100%, 88%
HSV	278°, 23%, 100%
XYZ	71.3971, 64.0235, 103.2060
YIQ	213.7890, 3.1130, 26.1930

Conversions

Conversions Part 2

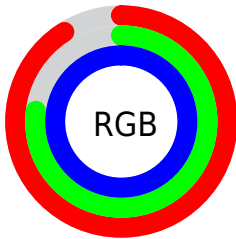
Format	Color
R_{YB}	233, 196, 255
Decimal	15320319
CIE _{Lab}	83.98, 23.58, -24.09
CIE _{LCh}	84, 33.705, 314.389
Yxy	64.0235, 0.2992, 0.2683
Android (android.graphics.Color)	4293510399 (0xFFE9C4FF)
YUV	213.7890, 20.3170, 16.8480
Hunter-Lab	80.0147, 19.2498, -20.4642

Details

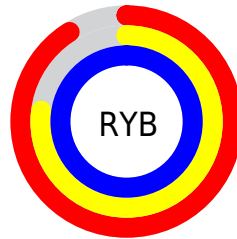
The Yxy color **64.0235, 0.2992, 0.2683** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **90.4093, 0.3234, 0.3917**, and the grayscale version is **66.9574, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7306, 0.3128, 0.3271**, and **32.7703, 0.2957, 0.2550** is the 20% darker color. If you saturate the color by 10%, you get **51.9264, 0.2917, 0.2400**, and if you desaturate by 10%, it is **78.1664, 0.3057, 0.2956**.

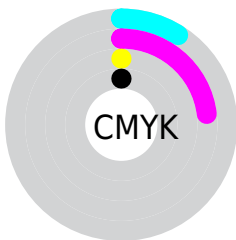
Distribution



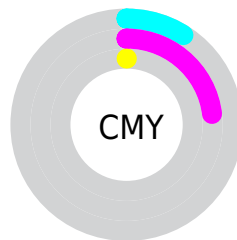
- Red (91%)
- Green (77%)
- Blue (100%)



- Red (91%)
- Yellow (77%)
- Blue (100%)



- Cyan (9%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)





- Cyan (9%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.0235, 0.2992, 0.2683 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 64.0235, 0.2992, 0.2683 by changing the saturation by 10% instead.

 64.0235, 0.2992,
0.2683

 64.0235, 0.2992,
0.2683

439.2745, 0.3060,
0.2957

 46.6697, 0.2975,
0.2622


110.6448, 0.3017,
0.2776

 32.7746, 0.2954,
0.2548


140.6811, 0.3026,
0.2813

 21.9538, 0.2926,
0.2456


175.7136, 0.3034,
0.2845

 13.8230, 0.2888,
0.2339

216.1269, 0.3041,
0.2873

 7.9977, 0.2835,
0.2184

262.3052, 0.3046,
0.2898

 4.0934, 0.2753,
0.1972

314.6330, 0.3052,

 1.7260, 0.2618,

0.2920

0.1666

373.4946, 0.3056,
0.2939

0.4404, 0.2405,
0.1055

0.0000, 0.0000,
0.0000

64.0235, 0.2992,
0.2683

64.0235, 0.2992,
0.2683

51.9264, 0.2917,
0.2400

78.1664, 0.3057,
0.2956

41.7679, 0.2832,
0.2116

94.4411, 0.3112,
0.3213

33.4415, 0.2739,
0.1841

100.0000, 0.3127,
0.3290

26.8273, 0.2639,
0.1589

■ 21.7909, 0.2537,
0.1373

■ 18.1768, 0.2435,
0.1202

■ 15.7963, 0.2339,
0.1084

■ 14.6899, 0.2276,
0.1028

Harmonies

Analogous

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



64.0235, 0.2623, 0.2605



64.0235, 0.2992, 0.2683



64.0235, 0.3424, 0.2897

Triad

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



64.0235, 0.2992, 0.2683



64.0235, 0.3900, 0.3855



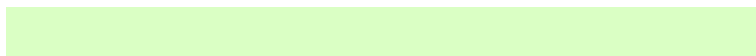
64.0235, 0.2497, 0.3327

Complementary

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



64.0235, 0.2992, 0.2683



90.4093, 0.3234, 0.3917

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.



64.0235, 0.2807, 0.3735



64.0235, 0.2992, 0.2683



64.0235, 0.3619, 0.4039

Square

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



64.0235, 0.2992, 0.2683



64.0235, 0.3969, 0.3547



64.0235, 0.3216, 0.4006



64.0235, 0.2353, 0.2942

Rectangle

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



64.0235, 0.2992, 0.2683



64.0235, 0.3685, 0.3095



64.0235, 0.3216, 0.4006



64.0235, 0.2584, 0.3468

Sweetspot

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



64.0259, 0.2992, 0.2683



87.8953, 0.3092, 0.3116



69.4194, 0.2752, 0.2893



18.6006, 0.3088, 0.3100



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.



64.0259, 0.2992, 0.2683



57.8929, 0.2957, 0.2546



67.5248, 0.3204, 0.2775



17.9423, 0.3078, 0.3051



7.7638, 0.2291, 0.1036



0.8183, 0.2395, 0.1093

Inverse Universe

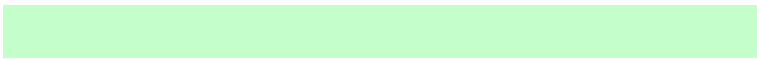
The Inverse Universe completely reimagines the original color for something new.



65.8017, 0.3432, 0.3067



60.0386, 0.3515, 0.3017



87.5622, 0.3059, 0.3865



18.0990, 0.3235, 0.3202



11.5673, 0.5494, 0.2800



1.1466, 0.5184, 0.2630

Previews

White Background



This preview shows how the Yxy color 64.0235, 0.2992, 0.2683 looks on a white background.

Color Contrast Check

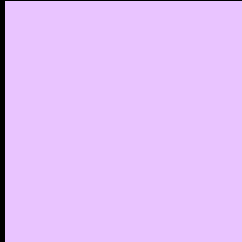
Large Text (above 18pt) WCAG AA × Fail

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 64.0235, 0.2992, 0.2683 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

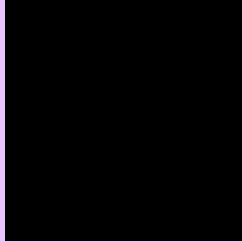
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.0235, 0.2992, 0.2683

Background



This preview shows how black text looks on a background with the Yxy color 64.0235, 0.2992, 0.2683.



This preview shows how white text looks on a background with the Yxy color 64.0235, 0.2992, 0.2683.

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

64.0235, 0.2992, 0.2683

Protanopia

64.3375, 0.2755, 0.2774

Deuteranopia

64.1644, 0.2831, 0.2771



Tritanopia

64.1572, 0.3197, 0.3116

Trichromacy



Original Color

64.0235, 0.2992, 0.2683

Protanomaly

64.2546, 0.2839, 0.2743

Deuteranomaly

64.1485, 0.2886, 0.2737

Tritanomaly

63.7928, 0.3120, 0.2948

Monochromacy



Original Color

64.0235, 0.2992, 0.2683

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

65.6549, 0.3079, 0.3050

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.0235, 0.2992, 0.2683 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(233, 196, 255)` looks like.

```
.text, #text, p{  
    color:rgb(233, 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(233, 196, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 196, 255) }
```

Border

The CSS property to change the border of an element to Yxy 64.0235, 0.2992, 0.2683 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(233, 196, 255) }
```

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

```
.border{ border-color:rgb(233, 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(233, 196, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 196, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 196, 255);  
box-shadow:4px 4px 4px 4px rgb(233, 196,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 64.0235, 0.2992, 0.2683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 196, 255) }
```

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

```
.background{ background-color: rgb(233,  
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