

Converting Colors

Yxy(65.0312, 0.2927, 0.2729)

Have a look what the booklet for
Yxy(65.0312, 0.2927, 0.2729)
contains.

Yxy(64.8406, 0.2928, 0.2725)	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(64.8406, 0.2928, 0.2725)

Conversions

Conversions Part 1

Format	Color
Hex	E0C9FF
RGB	224, 201, 255
RGB Percent	88%, 79%, 100%
CMY	0.1216, 0.2117, 0.0001
CMYK	0.12, 0.21, 0.00, 0.00
HSL	266°, 100%, 89%
HSV	266°, 21%, 100%
XYZ	69.6709, 64.8406, 103.4356
YIQ	214.0330, -3.6260, 21.6700

Conversions

Conversions Part 2

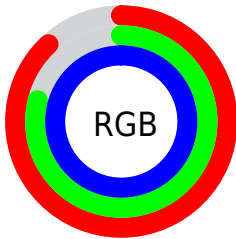
Format	Color
R _Y B	224, 201, 255
Decimal	14731775
CIE Lab	84.40, 18.06, -23.50
CIE LCh	84, 29.639, 307.540
Yxy	64.8406, 0.2928, 0.2725
Android (android.graphics.Color)	4292921855 (0xFFE0C9FF)
YUV	214.0330, 20.1967, 8.7411
Hunter-Lab	80.5237, 13.5259, -19.7936

Details

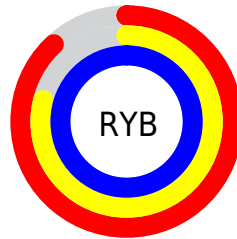
The Yxy color **64.8406, 0.2928, 0.2725** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **92.8842, 0.3296, 0.3847**, and the grayscale version is **67.1322, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **33.2695, 0.2874, 0.2600** is the 20% darker color. If you saturate the color by 10%, you get **51.6847, 0.2811, 0.2427**, and if you desaturate by 10%, it is **80.1766, 0.3030, 0.3005**.

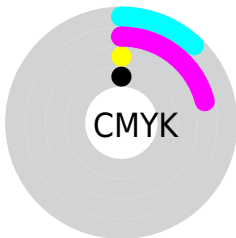
Distribution



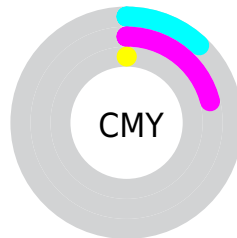
- Red (88%)
- Green (79%)
- Blue (100%)



- Red (88%)
- Yellow (79%)
- Blue (100%)



- Cyan (12%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)





- Cyan (12%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.8406, 0.2928, 0.2725 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 64.8406, 0.2928, 0.2725 by changing the saturation by 10% instead.


 64.8406, 0.2928,
0.2725

 64.8406, 0.2928,
0.2725

442.2189, 0.3025,
0.2981

 47.3318, 0.2905,
0.2668


111.8207, 0.2962,
0.2813

 33.2981, 0.2876,
0.2598


142.0607, 0.2975,
0.2847

 22.3549, 0.2839,
0.2511


177.3134, 0.2987,
0.2877

 14.1179, 0.2789,
0.2400

217.9630, 0.2996,
0.2903

 8.2027, 0.2720,
0.2252

264.3940, 0.3005,
0.2926

 4.2249, 0.2617,
0.2048

316.9907, 0.3012,

 1.8002, 0.2453,

0.2946

0.1752

376.1375, 0.3019,
0.2965

0.4873, 0.2186,
0.1176

0.0000, 0.0000,
0.0000

64.8406, 0.2928,
0.2725

64.8406, 0.2928,
0.2725

51.6847, 0.2811,
0.2427

80.1766, 0.3030,
0.3005

40.5985, 0.2680,
0.2118

97.7801, 0.3118,
0.3262

31.4739, 0.2538,
0.1809

99.9989, 0.3127,
0.3290

24.1894, 0.2389,
0.1516

■ 18.6094, 0.2239,
0.1255

■ 14.5788, 0.2095,
0.1043

■ 11.9121, 0.1967,
0.0891

■ 10.4407, 0.1868,
0.0803

Harmonies

Analogous

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



64.8406, 0.2625, 0.2689



64.8406, 0.2928, 0.2725



64.8406, 0.3303, 0.2891

Triad

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



64.8406, 0.2928, 0.2725



64.8406, 0.3837, 0.3736



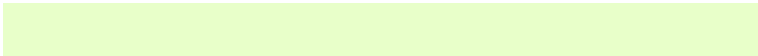
64.8406, 0.2624, 0.3409

Complementary

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



64.8406, 0.2928, 0.2725



92.8842, 0.3296, 0.3847

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.



64.8406, 0.2926, 0.3745



64.8406, 0.2928, 0.2725



64.8406, 0.3630, 0.3924

Square

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



64.8406, 0.2928, 0.2725



64.8406, 0.3846, 0.3453



64.8406, 0.3294, 0.3938



64.8406, 0.2458, 0.3058

Rectangle

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



64.8406, 0.2928, 0.2725



64.8406, 0.3543, 0.3056



64.8406, 0.3294, 0.3938



64.8406, 0.2712, 0.3529

Sweetspot

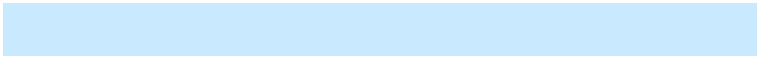
The Sweet Spot groups the original color and five complimentary colors.



64.8433, 0.2928, 0.2725



88.9950, 0.3077, 0.3140



77.6308, 0.2794, 0.3049



18.8030, 0.3071, 0.3124



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.



64.8433, 0.2928, 0.2725



59.5557, 0.2885, 0.2613



69.4121, 0.3119, 0.2757



17.7556, 0.3046, 0.3049



5.5400, 0.1885, 0.0812



0.6022, 0.2011, 0.0881

Inverse Universe

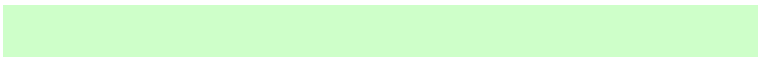
The Inverse Universe completely reimagines the original color for something new.



68.8629, 0.3318, 0.2979



64.2247, 0.3361, 0.2920



88.7786, 0.3127, 0.3876



18.1620, 0.3204, 0.3154



12.2312, 0.4650, 0.2336



1.2128, 0.4440, 0.2220

Previews

White Background



This preview shows how the Yxy color 64.8406, 0.2928, 0.2725 looks on a white background.

Color Contrast Check

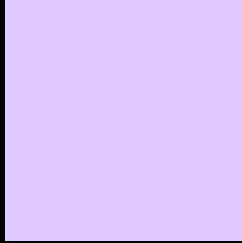
Large Text (above 18pt) WCAG AA × Fail

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 64.8406, 0.2928, 0.2725 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

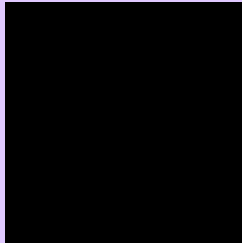
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.8406, 0.2928, 0.2725

Background



This preview shows how black text looks on a background with the Yxy color 64.8406, 0.2928, 0.2725.

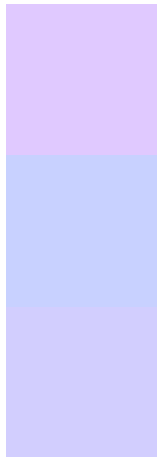


This preview shows how white text looks on a background with the Yxy color 64.8406, 0.2928, 0.2725.

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

64.8406, 0.2928, 0.2725

Protanopia

65.1003, 0.2769, 0.2788

Deuteranopia

65.0000, 0.2839, 0.2774



Tritanopia

65.0134, 0.3106, 0.3114

Trichromacy



Original Color

64.8406, 0.2928, 0.2725

Protanomaly

64.9179, 0.2827, 0.2763

Deuteranomaly

64.7886, 0.2873, 0.2757

Tritanomaly

65.0330, 0.3039, 0.2965

Monochromacy



Original Color

64.8406, 0.2928, 0.2725

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

66.1635, 0.3057, 0.3071

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.8406, 0.2928, 0.2725 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, 201, 255)` looks like.

```
.text, #text, p{  
    color:rgb(224, 201, 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, 201, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 201, 255) }
```

Border

The CSS property to change the border of an element to Yxy 64.8406, 0.2928, 0.2725 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, 201, 255) }
```

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

```
.border{ border-color:rgb(224, 201, 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, 201, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 201, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 201, 255);  
box-shadow:4px 4px 4px 4px rgb(224, 201,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 64.8406, 0.2928, 0.2725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 201, 255) }
```

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

```
.background{ background-color: rgb(224,  
201, 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