

Converting Colors

Yxy(64.5836, 0.2907, 0.2683)

Have a look what the booklet for
Yxy(64.5836, 0.2907, 0.2683)
contains.

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Color

Yxy(64.3758, 0.2928, 0.2714)

Conversions

Conversions Part 1

Format	Color
Hex	E0C8FF
RGB	224, 200, 255
RGB Percent	88%, 78%, 100%
CMY	0.1214, 0.2157, 0.0000
CMYK	0.12, 0.22, 0.00, 0.00
HSL	266°, 100%, 89%
HSV	266°, 22%, 100%
XYZ	69.4519, 64.3758, 103.3713
YIQ	213.4460, -3.3510, 22.1930

Conversions

Conversions Part 2

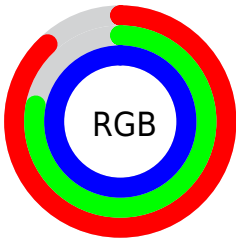
Format	Color
R _Y B	224, 200, 255
Decimal	14731519
CIE Lab	84.16, 18.62, -23.88
CIE LCh	84, 30.279, 307.955
Yxy	64.3758, 0.2928, 0.2714
Android (android.graphics.Color)	4292921599 (0xFFE0C8FF)
YUV	213.4460, 20.4861, 9.2559
Hunter-Lab	80.2345, 14.1011, -20.2230

Details

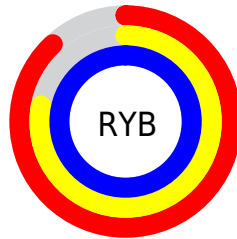
The Yxy color **64.3758, 0.2928, 0.2714** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **92.6714, 0.3295, 0.3859**, and the grayscale version is **66.7194, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **32.9598, 0.2874, 0.2586** is the 20% darker color. If you saturate the color by 10%, you get **51.3379, 0.2813, 0.2416**, and if you desaturate by 10%, it is **79.5824, 0.3028, 0.2994**.

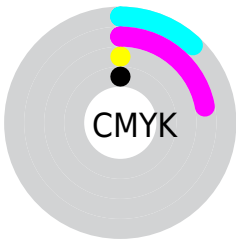
Distribution



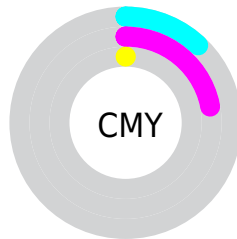
- Red (88%)
- Green (78%)
- Blue (100%)



- Red (88%)
- Yellow (78%)
- Blue (100%)



- Cyan (12%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)





- Cyan (12%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.3758, 0.2928, 0.2714 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 64.3758, 0.2928, 0.2714 by changing the saturation by 10% instead.

 64.3758, 0.2928,
0.2714

 64.3758, 0.2928,
0.2714

440.5455, 0.3025,
0.2975

 46.9551, 0.2905,
0.2656


111.1520, 0.2962,
0.2803

 33.0002, 0.2876,
0.2585


141.2763, 0.2976,
0.2839

 22.1266, 0.2838,
0.2496


176.4039, 0.2987,
0.2869

 13.9499, 0.2788,
0.2382

216.9192, 0.2997,
0.2896

 8.0859, 0.2718,
0.2232

263.2066, 0.3005,
0.2919

 4.1499, 0.2614,
0.2024

315.6505, 0.3012,

 1.7578, 0.2448,

0.2940

0.1723

374.6353, 0.3019,
0.2958

0.4607, 0.2180,
0.1124

0.0000, 0.0000,
0.0000

64.3758, 0.2928,
0.2714

64.3758, 0.2928,
0.2714

51.3379, 0.2813,
0.2416

79.5824, 0.3028,
0.2994

40.3583, 0.2684,
0.2108

97.0451, 0.3115,
0.3252

31.3289, 0.2544,
0.1802

99.9999, 0.3127,
0.3290

24.1278, 0.2397,
0.1511

■ 18.6193, 0.2250,
0.1254

■ 14.6477, 0.2109,
0.1046

■ 12.0262, 0.1981,
0.0897

■ 10.6287, 0.1888,
0.0814

Harmonies

Analogous

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



64.3758, 0.2617, 0.2675



64.3758, 0.2928, 0.2714



64.3758, 0.3312, 0.2885

Triad

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



64.3758, 0.2928, 0.2714



64.3758, 0.3853, 0.3749



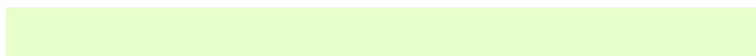
64.3758, 0.2609, 0.3406

Complementary

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



64.3758, 0.2928, 0.2714



92.6714, 0.3295, 0.3859

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.



64.3758, 0.2916, 0.3753



64.3758, 0.2928, 0.2714



64.3758, 0.3638, 0.3941

Square

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



64.3758, 0.2928, 0.2714



64.3758, 0.3865, 0.3460



64.3758, 0.3292, 0.3953



64.3758, 0.2442, 0.3047

Rectangle

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



64.3758, 0.2928, 0.2714



64.3758, 0.3557, 0.3054



64.3758, 0.3292, 0.3953



64.3758, 0.2698, 0.3530

Sweetspot

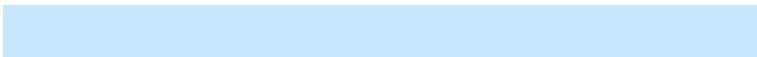
The Sweet Spot groups the original color and five complimentary colors.



64.3785, 0.2928, 0.2714



89.0266, 0.3078, 0.3140



76.7419, 0.2787, 0.3034



18.8105, 0.3073, 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.



64.3785, 0.2928, 0.2714



58.3419, 0.2879, 0.2584



69.0967, 0.3125, 0.2747



17.7661, 0.3047, 0.3049



5.6384, 0.1905, 0.0823



0.6123, 0.2030, 0.0892

Inverse Universe

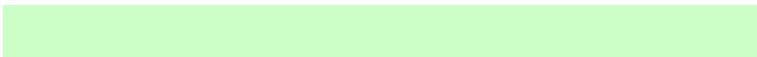
The Inverse Universe completely reimagines the original color for something new.



68.3328, 0.3327, 0.2979



63.0185, 0.3378, 0.2912



88.4788, 0.3121, 0.3890



18.1584, 0.3206, 0.3157



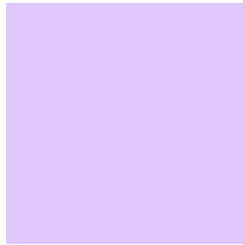
12.1844, 0.4698, 0.2362



1.2083, 0.4481, 0.2242

Previews

White Background



This preview shows how the Yxy color 64.3758, 0.2928, 0.2714 looks on a white background.

Color Contrast Check

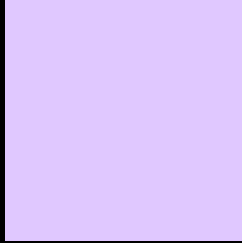
Large Text (above 18pt) WCAG AA × Fail

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 64.3758, 0.2928, 0.2714 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

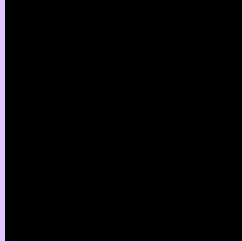
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.3758, 0.2928, 0.2714

Background



This preview shows how black text looks on a background with the Yxy color 64.3758, 0.2928, 0.2714.

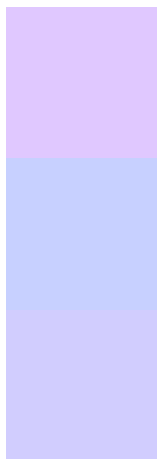


This preview shows how white text looks on a background with the Yxy color 64.3758, 0.2928, 0.2714.

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

64.3758, 0.2928, 0.2714

Protanopia

64.4739, 0.2762, 0.2775

Deuteranopia

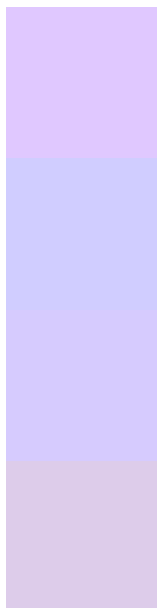
64.3737, 0.2832, 0.2762



Tritanopia

64.4766, 0.3113, 0.3113

Trichromacy



Original Color

64.3758, 0.2928, 0.2714

Protanomaly

64.2925, 0.2819, 0.2751

Deuteranomaly

64.1638, 0.2865, 0.2745

Tritanomaly

64.4984, 0.3046, 0.2965

Monochromacy



Original Color

64.3758, 0.2928, 0.2714

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

65.4649, 0.3056, 0.3070

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.3758, 0.2928, 0.2714 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, 200, 255)` looks like.

```
.text, #text, p{  
    color:rgb(224, 200, 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, 200, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 200, 255) }
```

Border

The CSS property to change the border of an element to Yxy 64.3758, 0.2928, 0.2714 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, 200, 255) }
```

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

```
.border{ border-color:rgb(224, 200, 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, 200, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 200, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 200, 255);  
box-shadow:4px 4px 4px 4px rgb(224, 200,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 64.3758, 0.2928, 0.2714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 200, 255) }
```

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

```
.background{ background-color: rgb(224,  
200, 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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