

Converting Colors

$Y_{xy}(64.6170, 0.2935, 0.2717)$

Have a look what the booklet for
Yxy(64.6170, 0.2935, 0.2717)
contains.

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Color

Yxy(64.5361, 0.2935, 0.2715)

Conversions

Conversions Part 1

Format	Color
Hex	E1C8FF
RGB	225, 200, 255
RGB Percent	88%, 78%, 100%
CMY	0.1175, 0.2157, 0.0000
CMYK	0.12, 0.22, 0.00, 0.00
HSL	267°, 100%, 89%
HSV	267°, 22%, 100%
XYZ	69.7655, 64.5361, 103.4004
YIQ	213.7450, -2.7550, 22.4050

Conversions

Conversions Part 2

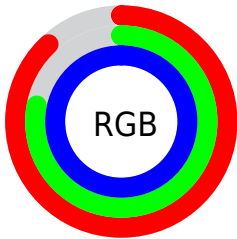
Format	Color
R _Y B	225, 200, 255
Decimal	14797055
CIE Lab	84.24, 18.94, -23.75
CIE LCh	84, 30.379, 308.574
Yxy	64.5361, 0.2935, 0.2715
Android (android.graphics.Color)	4292987135 (0xFFE1C8FF)
YUV	213.7450, 20.3387, 9.8706
Hunter-Lab	80.3344, 14.4313, -20.0796

Details

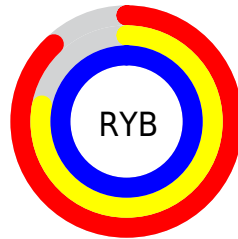
The Yxy color $64.5361, 0.2935, 0.2715$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $92.5051, 0.3288, 0.3860$, and the grayscale version is $66.9302, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $33.0700, 0.2883, 0.2588$ is the 20% darker color. If you saturate the color by 10%, you get $51.5527, 0.2824, 0.2419$, and if you desaturate by 10%, it is $79.6741, 0.3032, 0.2994$.

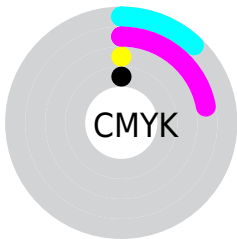
Distribution



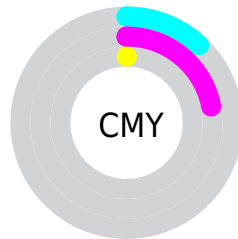
- Red (88%)
- Green (78%)
- Blue (100%)



- 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 64.5361, 0.2935, 0.2715 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 64.5361, 0.2935, 0.2715 by changing the saturation by 10% instead.


 64.5361, 0.2935,
0.2715

 64.5361, 0.2935,
0.2715


441.1230, 0.3029,
0.2976

 47.0850, 0.2913,
0.2657

111.3826, 0.2968,
0.2804

 33.1029, 0.2884,
0.2586


141.5469, 0.2981,
0.2839

 22.2053, 0.2848,
0.2498


176.7177, 0.2992,
0.2870

 14.0078, 0.2800,
0.2385

217.2794, 0.3001,
0.2896

 8.1261, 0.2732,
0.2235

263.6163, 0.3009,
0.2919

 4.1757, 0.2631,
0.2028

316.1130, 0.3017,

 1.7723, 0.2468,

0.2940

0.1729

375.1538, 0.3023,
0.2959

0.4698, 0.2207,
0.1138

0.0000, 0.0000,
0.0000

64.5361, 0.2935,
0.2715

64.5361, 0.2935,
0.2715

51.5527, 0.2824,
0.2419

79.6741, 0.3032,
0.2994

40.6170, 0.2699,
0.2113

97.0568, 0.3115,
0.3252

31.6204, 0.2564,
0.1809

100.0000, 0.3127,
0.3290

24.4416, 0.2421,
0.1522

■ 18.9453, 0.2277,
0.1268

■ 14.9764, 0.2139,
0.1062

■ 12.3489, 0.2013,
0.0914

■ 10.9400, 0.1920,
0.0831

Harmonies

Analogous

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



64.5361, 0.2621, 0.2673



64.5361, 0.2935, 0.2715



64.5361, 0.3321, 0.2889

Triad

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



64.5361, 0.2935, 0.2715



64.5361, 0.3852, 0.3756



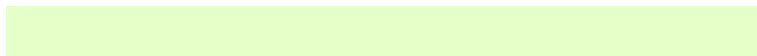
64.5361, 0.2602, 0.3399

Complementary

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



64.5361, 0.2935, 0.2715



92.5051, 0.3288, 0.3860

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.



64.5361, 0.2908, 0.3748



64.5361, 0.2935, 0.2715



64.5361, 0.3633, 0.3945

Square

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



64.5361, 0.2935, 0.2715



64.5361, 0.3869, 0.3467



64.5361, 0.3284, 0.3953



64.5361, 0.2439, 0.3040

Rectangle

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



64.5361, 0.2935, 0.2715



64.5361, 0.3565, 0.3060



64.5361, 0.3284, 0.3953



64.5361, 0.2691, 0.3523

Sweetspot

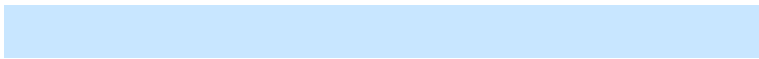
The Sweet Spot groups the original color and five complimentary colors.



64.5377, 0.2935, 0.2715



89.0772, 0.3080, 0.3141



76.2287, 0.2786, 0.3024



18.8224, 0.3075, 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.



64.5377, 0.2935, 0.2715



58.5287, 0.2888, 0.2586



69.2664, 0.3132, 0.2748



17.7828, 0.3050, 0.3049



5.8025, 0.1937, 0.0841



0.6289, 0.2062, 0.0910

Inverse Universe

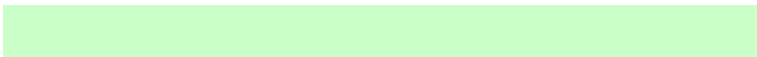
The Inverse Universe completely reimagines the original color for something new.



68.2749, 0.3334, 0.2989



62.9523, 0.3388, 0.2924



88.3499, 0.3116, 0.3891



18.1526, 0.3208, 0.3161



12.1118, 0.4775, 0.2404



1.2013, 0.4547, 0.2278

Previews

White Background



This preview shows how the Yxy color 64.5361, 0.2935, 0.2715 looks on a white background.

Color Contrast Check

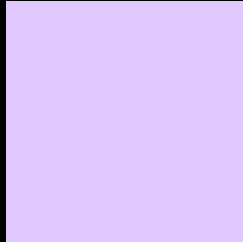
Large Text (above 18pt) WCAG AA × Fail

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 64.5361, 0.2935, 0.2715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

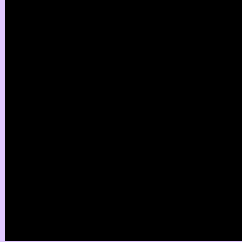
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.5361, 0.2935, 0.2715

Background



This preview shows how black text looks on a background with the Yxy color 64.5361, 0.2935, 0.2715.

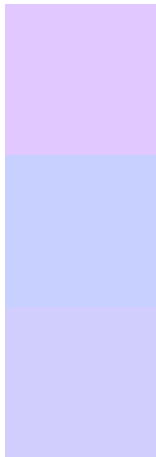


This preview shows how white text looks on a background with the Yxy color 64.5361, 0.2935, 0.2715.

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

64.5361, 0.2935, 0.2715

Protanopia

64.4739, 0.2762, 0.2775

Deuteranopia

64.8537, 0.2833, 0.2773



Tritanopia

64.6322, 0.3120, 0.3114

Trichromacy



Original Color

64.5361, 0.2935, 0.2715

Protanomaly

64.2925, 0.2819, 0.2751

Deuteranomaly

64.7886, 0.2873, 0.2757

Tritanomaly

64.6558, 0.3053, 0.2965

Monochromacy



Original Color

64.5361, 0.2935, 0.2715

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 64.5361, 0.2935, 0.2715 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(225, 200, 255)` looks like.

```
.text, #text, p{  
    color:rgb(225, 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(225, 200, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 200, 255) }
```

Border

The CSS property to change the border of an element to Yxy 64.5361, 0.2935, 0.2715 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(225, 200, 255) }
```

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

```
.border{ border-color:rgb(225, 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(225, 200, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(225, 200, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(225, 200, 255); box-shadow:4px 4px 4px 4px rgb(225, 200, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 64.5361, 0.2935, 0.2715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 200, 255) }
```

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

```
.background{ background-color: rgb(225,  
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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