

Converting Colors

$Y_{xy}(65.8294, 0.2969, 0.2733)$

Have a look what the booklet for
Yxy(65.8294, 0.2969, 0.2733)
contains.

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Color

Yxy(65.8163, 0.2971, 0.2732)

Conversions

Conversions Part 1

Format	Color
Hex	E6C9FF
RGB	230, 201, 255
RGB Percent	90%, 79%, 100%
CMY	0.0979, 0.2118, 0.0001
CMYK	0.10, 0.21, 0.00, 0.00
HSL	272°, 100%, 89%
HSV	272°, 21%, 100%
XYZ	71.5740, 65.8163, 103.5185
YIQ	215.8270, -0.0500, 22.9420

Conversions

Conversions Part 2

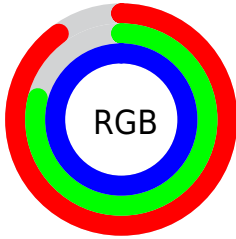
Format	Color
R_{YB}	230, 201, 255
Decimal	15124991
CIE _{Lab}	84.90, 19.97, -22.69
CIE _{LCh}	85, 30.225, 311.348
Yxy	65.8163, 0.2971, 0.2732
Android (android.graphics.Color)	4293315071 (0xFFE6C9FF)
YUV	215.8270, 19.3123, 12.4297
Hunter-Lab	81.1272, 15.5079, -18.8651

Details

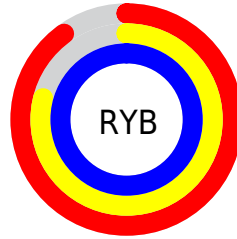
The Yxy color **65.8163, 0.2971, 0.2732** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **91.8813, 0.3256, 0.3854**, and the grayscale version is **68.4151, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **33.9433, 0.2929, 0.2611** is the 20% darker color. If you saturate the color by 10%, you get **53.0175, 0.2878, 0.2443**, and if you desaturate by 10%, it is **80.7255, 0.3051, 0.3006**.

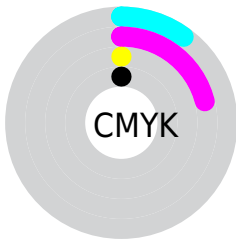
Distribution



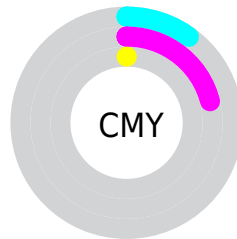
- Red (90%)
- Green (79%)
- Blue (100%)



- Red (90%)
- Yellow (79%)
- Blue (100%)



- Cyan (10%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)





- Cyan (10%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.8163, 0.2971, 0.2732 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 65.8163, 0.2971, 0.2732 by changing the saturation by 10% instead.

 65.8163, 0.2971,
0.2732

 65.8163, 0.2971,
0.2732


445.7196, 0.3048,
0.2984

 48.1233, 0.2953,
0.2676


113.2226, 0.2998,
0.2818

 33.9245, 0.2929,
0.2608


143.7048, 0.3009,
0.2852

 22.8356, 0.2899,
0.2523


179.2187, 0.3018,
0.2881

 14.4722, 0.2859,
0.2414

220.1489, 0.3025,
0.2907

 8.4498, 0.2802,
0.2270

266.8796, 0.3032,
0.2930

 4.3841, 0.2718,
0.2072

319.7954, 0.3038,

 1.8907, 0.2580,

0.2950

0.1785

379.2806, 0.3043,
0.2968

0.5428, 0.2350,
0.1258

0.0000, 0.0000,
0.0000

65.8163, 0.2971,
0.2732

65.8163, 0.2971,
0.2732

53.0175, 0.2878,
0.2443

80.7255, 0.3051,
0.3006

42.2208, 0.2774,
0.2147

97.8298, 0.3120,
0.3262

33.3209, 0.2659,
0.1856

99.9985, 0.3127,
0.3290

26.1989, 0.2536,
0.1582

■ 20.7223, 0.2411,
0.1340

■ 16.7390, 0.2288,
0.1144

■ 14.0668, 0.2173,
0.1003

■ 12.5498, 0.2080,
0.0920

Harmonies

Analogous

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



65.8163, 0.2650, 0.2677



65.8163, 0.2971, 0.2732



65.8163, 0.3354, 0.2914

Triad

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



65.8163, 0.2971, 0.2732



65.8163, 0.3831, 0.3774



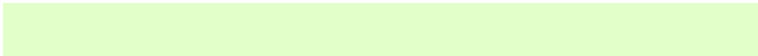
65.8163, 0.2587, 0.3363

Complementary

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



65.8163, 0.2971, 0.2732



91.8813, 0.3256, 0.3854

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.



65.8163, 0.2878, 0.3715



65.8163, 0.2971, 0.2732



65.8163, 0.3599, 0.3947

Square

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



65.8163, 0.2971, 0.2732



65.8163, 0.3868, 0.3494



65.8163, 0.3248, 0.3935



65.8163, 0.2439, 0.3014

Rectangle

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



65.8163, 0.2971, 0.2732



65.8163, 0.3590, 0.3088



65.8163, 0.3248, 0.3935



65.8163, 0.2670, 0.3487

Sweetspot

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



65.8191, 0.2971, 0.2732



89.3073, 0.3088, 0.3141



74.1305, 0.2789, 0.2980



18.8768, 0.3084, 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.



65.8191, 0.2971, 0.2732



60.6855, 0.2937, 0.2623



70.1308, 0.3165, 0.2778



17.8589, 0.3064, 0.3050



6.6487, 0.2097, 0.0929



0.7124, 0.2215, 0.0994

Inverse Universe

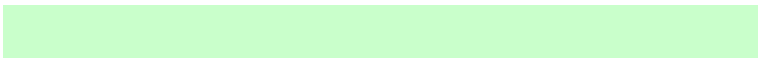
The Inverse Universe completely reimagines the original color for something new.



68.5154, 0.3363, 0.3039



63.8357, 0.3417, 0.2991



88.2244, 0.3089, 0.3861



18.1267, 0.3221, 0.3181



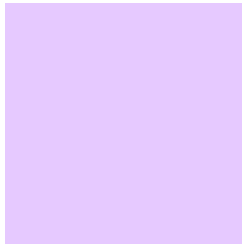
11.8196, 0.5125, 0.2597



1.1726, 0.4851, 0.2446

Previews

White Background



This preview shows how the Yxy color 65.8163, 0.2971, 0.2732 looks on a white background.

Color Contrast Check

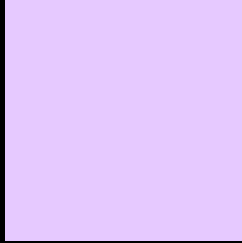
Large Text (above 18pt) WCAG AA × Fail

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 65.8163, 0.2971, 0.2732 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

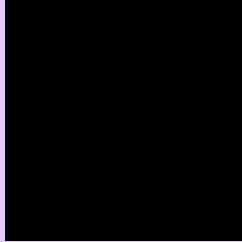
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

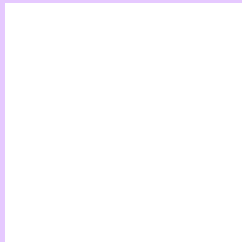
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.8163, 0.2971, 0.2732

Background



This preview shows how black text looks on a background with the Yxy color 65.8163, 0.2971, 0.2732.

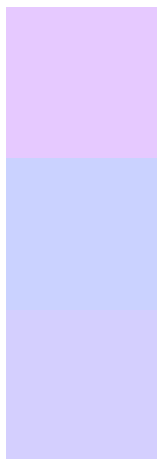


This preview shows how white text looks on a background with the Yxy color 65.8163, 0.2971, 0.2732.

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

65.8163, 0.2971, 0.2732

Protanopia

65.8697, 0.2783, 0.2801

Deuteranopia

65.7785, 0.2853, 0.2787



Tritanopia

65.9609, 0.3150, 0.3116

Trichromacy



Original Color

65.8163, 0.2971, 0.2732

Protanomaly

65.8427, 0.2847, 0.2777

Deuteranomaly

65.8785, 0.2901, 0.2772

Tritanomaly

65.9917, 0.3083, 0.2970

Monochromacy



Original Color

65.8163, 0.2971, 0.2732

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

67.6739, 0.3071, 0.3084

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.8163, 0.2971, 0.2732 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(230, 201, 255)` looks like.

```
.text, #text, p{  
    color:rgb(230, 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(230, 201, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 201, 255) }
```

Border

The CSS property to change the border of an element to Yxy 65.8163, 0.2971, 0.2732 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(230, 201, 255) }
```

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

```
.border{ border-color:rgb(230, 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(230, 201, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 201, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 201, 255);  
box-shadow:4px 4px 4px 4px rgb(230, 201,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 65.8163, 0.2971, 0.2732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 201, 255) }
```

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

```
.background{ background-color: rgb(230,  
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](#).

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