

Converting Colors

$Y_{xy}(65.5376, 0.2973, 0.2725)$

Have a look what the booklet for
Yxy(65.5376, 0.2973, 0.2725)
contains.

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Color

Yxy(65.3515, 0.2971, 0.2721)

Conversions

Conversions Part 1

Format	Color
Hex	E6C8FF
RGB	230, 200, 255
RGB Percent	90%, 78%, 100%
CMY	0.0977, 0.2158, 0.0000
CMYK	0.10, 0.22, 0.00, 0.00
HSL	273°, 100%, 89%
HSV	273°, 22%, 100%
XYZ	71.3559, 65.3515, 103.4672
YIQ	215.2400, 0.2250, 23.4650

Conversions

Conversions Part 2

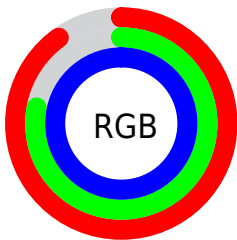
Format	Color
R _Y B	230, 200, 255
Decimal	15124735
CIE Lab	84.66, 20.53, -23.07
CIE LCh	85, 30.881, 311.670
Yxy	65.3515, 0.2971, 0.2721
Android (android.graphics.Color)	4293314815 (0xFFE6C8FF)
YUV	215.2400, 19.6017, 12.9445
Hunter-Lab	80.8403, 16.0874, -19.2969

Details

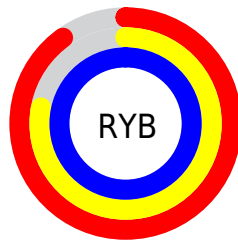
The Yxy color $65.3515, 0.2971, 0.2721$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $91.6809, 0.3256, 0.3866$, and the grayscale version is $67.9966, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $33.6337, 0.2929, 0.2598$ is the 20% darker color. If you saturate the color by 10%, you get $52.6634, 0.2880, 0.2433$, and if you desaturate by 10%, it is $80.1403, 0.3050, 0.2996$.

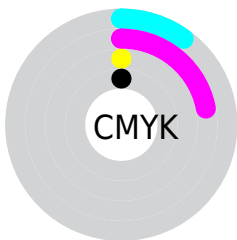
Distribution



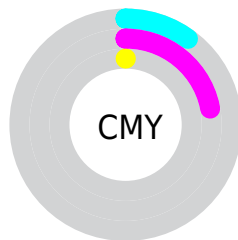
- Red (90%)
- Green (78%)
- Blue (100%)



- Red (90%)
- Yellow (78%)
- Blue (100%)



- Cyan (10%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)





- Cyan (10%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.3515, 0.2971, 0.2721 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 65.3515, 0.2971, 0.2721 by changing the saturation by 10% instead.


 65.3515, 0.2971,
0.2721

 65.3515, 0.2971,
0.2721

444.0540, 0.3048,
0.2978

 47.7462, 0.2952,
0.2664


112.5551, 0.2999,
0.2809

 33.6259, 0.2929,
0.2594


142.9221, 0.3009,
0.2843

 22.6064, 0.2899,
0.2508


178.3117, 0.3018,
0.2873

 14.3031, 0.2858,
0.2397

219.1085, 0.3026,
0.2899

 8.3318, 0.2801,
0.2250

265.6967, 0.3032,
0.2923

 4.3080, 0.2715,
0.2049


318.4607, 0.3038,

 1.8473, 0.2575,


0.2943


0.1757


377.7851, 0.3043,
0.2961


 0.5164, 0.2345,
0.1209


 0.0000, 0.0000,
0.0000


 65.3515, 0.2971,
0.2721


 65.3515, 0.2971,
0.2721

 52.6634, 0.2880,
0.2433

 80.1403, 0.3050,
0.2996

 41.9694, 0.2777,
0.2138

 97.1164, 0.3118,
0.3252

 33.1632, 0.2664,
0.1848

100.0000, 0.3127,
0.3290

 26.1256, 0.2544,
0.1577

■ 20.7237, 0.2421,
0.1338

■ 16.8043, 0.2300,
0.1146

■ 14.1841, 0.2187,
0.1008

■ 12.7512, 0.2099,
0.0930

Harmonies

Analogous

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



65.3515, 0.2642, 0.2663



65.3515, 0.2971, 0.2721



65.3515, 0.3363, 0.2908

Triad

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



65.3515, 0.2971, 0.2721



65.3515, 0.3846, 0.3787



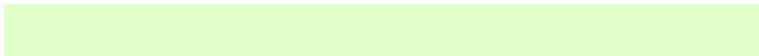
65.3515, 0.2571, 0.3360

Complementary

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



65.3515, 0.2971, 0.2721



91.6809, 0.3256, 0.3866

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.



65.3515, 0.2868, 0.3722



65.3515, 0.2971, 0.2721



65.3515, 0.3607, 0.3963

Square

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



65.3515, 0.2971, 0.2721



65.3515, 0.3887, 0.3501



65.3515, 0.3246, 0.3950



65.3515, 0.2423, 0.3003

Rectangle

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



65.3515, 0.2971, 0.2721



65.3515, 0.3605, 0.3086



65.3515, 0.3246, 0.3950



65.3515, 0.2656, 0.3487

Sweetspot

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



65.3537, 0.2971, 0.2721



89.3328, 0.3089, 0.3141



73.7014, 0.2782, 0.2973



18.8828, 0.3085, 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.



65.3537, 0.2971, 0.2721



59.4885, 0.2932, 0.2595



69.6606, 0.3165, 0.2768



17.8674, 0.3065, 0.3050



6.7527, 0.2116, 0.0939



0.7224, 0.2233, 0.1004

Inverse Universe

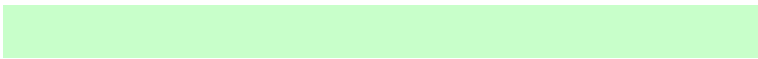
The Inverse Universe completely reimagines the original color for something new.



67.9891, 0.3373, 0.3038



62.6267, 0.3437, 0.2984



88.0516, 0.3089, 0.3873



18.1239, 0.3223, 0.3183



11.7909, 0.5164, 0.2618



1.1697, 0.4885, 0.2465

Previews

White Background



This preview shows how the Yxy color 65.3515, 0.2971, 0.2721 looks on a white background.

Color Contrast Check

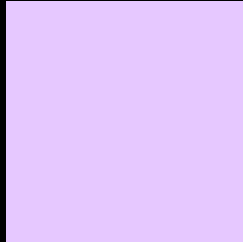
Large Text (above 18pt) WCAG AA × Fail

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 65.3515, 0.2971, 0.2721 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

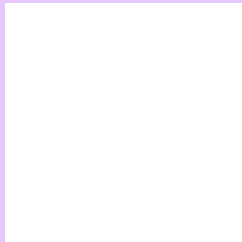
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.3515, 0.2971, 0.2721

Background



This preview shows how black text looks on a background with the Yxy color 65.3515, 0.2971, 0.2721.

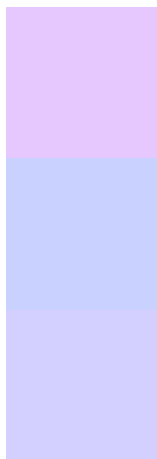


This preview shows how white text looks on a background with the Yxy color 65.3515, 0.2971, 0.2721.

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

65.3515, 0.2971, 0.2721

Protanopia

65.7307, 0.2776, 0.2800

Deuteranopia

65.6303, 0.2847, 0.2786



Tritanopia

65.4241, 0.3158, 0.3116

Trichromacy



Original Color

65.3515, 0.2971, 0.2721

Protanomaly

65.3597, 0.2847, 0.2766

Deuteranomaly

65.2469, 0.2893, 0.2760

Tritanomaly

65.4571, 0.3090, 0.2969

Monochromacy



Original Color

65.3515, 0.2971, 0.2721

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

67.0220, 0.3064, 0.3072

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.3515, 0.2971, 0.2721 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, 200, 255)` looks like.

```
.text, #text, p{  
    color:rgb(230, 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(230, 200, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 200, 255) }
```

Border

The CSS property to change the border of an element to Yxy 65.3515, 0.2971, 0.2721 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, 200, 255) }
```

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

```
.border{ border-color:rgb(230, 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(230, 200, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 200, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 200, 255);  
box-shadow:4px 4px 4px 4px rgb(230, 200,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 65.3515, 0.2971, 0.2721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 200, 255) }
```

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

```
.background{ background-color: rgb(230,  
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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