

Converting Colors

$Y_{xy}(65.1409, 0.2970, 0.2730)$

Have a look what the booklet for
Yxy(65.1409, 0.2970, 0.2730)
contains.

Yxy(65.1223, 0.2970, 0.2730)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(65.1223, 0.2970, 0.2730)

Conversions

Conversions Part 1

Format	Color
Hex	E5C8FE
RGB	229, 200, 254
RGB Percent	90%, 78%, 100%
CMY	0.1020, 0.2156, 0.0040
CMYK	0.10, 0.21, 0.00, 0.00
HSL	272°, 96%, 89%
HSV	272°, 21%, 100%
XYZ	70.8473, 65.1223, 102.5736
YIQ	214.8270, -0.0500, 22.9420

Conversions

Conversions Part 2

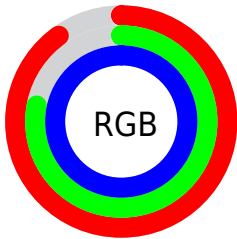
Format	Color
R _Y B	229, 200, 254
Decimal	15059198
CIE Lab	84.55, 19.96, -22.70
CIE LCh	85, 30.228, 311.317
Yxy	65.1223, 0.2970, 0.2730
Android (android.graphics.Color)	4293249278 (0xFFE5C8FE)
YUV	214.8270, 19.3123, 12.4297
Hunter-Lab	80.6984, 15.4879, -18.8731

Details

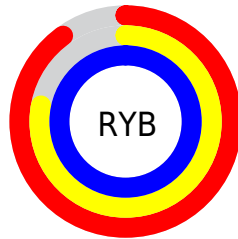
The Yxy color $65.1223, 0.2970, 0.2730$ is a light color, and the websafe version is hex FFCCFF . A complement of this color would be $91.0423, 0.3257, 0.3856$, and the grayscale version is $67.6987, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $33.4732, 0.2928, 0.2608$ is the 20% darker color. If you saturate the color by 10%, you get $52.4512, 0.2877, 0.2441$, and if you desaturate by 10%, it is $79.8838, 0.3051, 0.3005$.

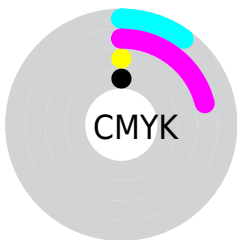
Distribution



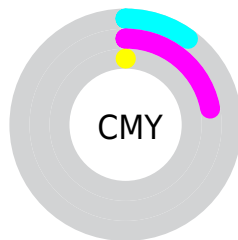
- Red (90%)
- Green (78%)
- Blue (100%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.1223, 0.2970, 0.2730 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 65.1223, 0.2970, 0.2730 by changing the saturation by 10% instead.

65.1223, 0.2970,
0.2730

65.1223, 0.2970,
0.2730

443.2313, 0.3047,
0.2983

47.5603, 0.2951,
0.2674

112.2257, 0.2998,
0.2817

33.4788, 0.2928,
0.2605

142.5358, 0.3008,
0.2851

22.4935, 0.2897,
0.2519

177.8640, 0.3017,
0.2880

14.2199, 0.2857,
0.2409

218.5948, 0.3025,
0.2906

8.2738, 0.2799,
0.2264

265.1126, 0.3032,
0.2929

4.2706, 0.2713,
0.2064

317.8016, 0.3037,

1.8261, 0.2572,

0.2949

0.1772

377.0464, 0.3043,
0.2967

0.5033, 0.2343,
0.1213

0.0000, 0.0000,
0.0000

65.1223, 0.2970,
0.2730

65.1223, 0.2970,
0.2730

52.4512, 0.2877,
0.2441

79.8838, 0.3051,
0.3005

41.7634, 0.2772,
0.2145

96.8199, 0.3119,
0.3260

32.9544, 0.2657,
0.1853

99.9337, 0.3133,
0.3300

25.9064, 0.2534,
0.1579

■ 20.4879, 0.2409,
0.1338

■ 16.5483, 0.2286,
0.1142

■ 13.9068, 0.2170,
0.1001

■ 12.4166, 0.2078,
0.0919

Harmonies

Analogous

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



65.1223, 0.2648, 0.2675



65.1223, 0.2970, 0.2730



65.1223, 0.3354, 0.2913

Triad

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



65.1223, 0.2970, 0.2730



65.1223, 0.3834, 0.3775



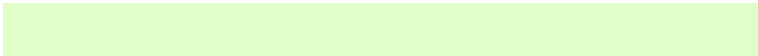
65.1223, 0.2585, 0.3364

Complementary

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



65.1223, 0.2970, 0.2730



91.0423, 0.3257, 0.3856

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.



65.1223, 0.2878, 0.3717



65.1223, 0.2970, 0.2730



65.1223, 0.3601, 0.3949

Square

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



65.1223, 0.2970, 0.2730



65.1223, 0.3870, 0.3494



65.1223, 0.3249, 0.3937



65.1223, 0.2437, 0.3013

Rectangle

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



65.1223, 0.2970, 0.2730



65.1223, 0.3592, 0.3087



65.1223, 0.3249, 0.3937



65.1223, 0.2669, 0.3488

Sweetspot

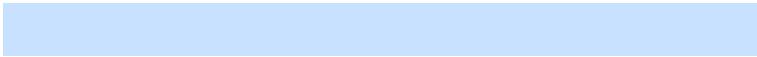
The Sweet Spot groups the original color and five complimentary colors.



65.1250, 0.2970, 0.2730



89.3044, 0.3088, 0.3141



73.3909, 0.2788, 0.2979



18.8761, 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.



65.1250, 0.2970, 0.2730



60.6746, 0.2936, 0.2623



69.4203, 0.3165, 0.2777



17.8580, 0.3063, 0.3050



6.6368, 0.2095, 0.0928



0.7112, 0.2213, 0.0993

Inverse Universe

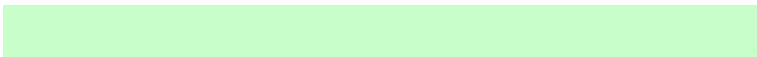
The Inverse Universe completely reimagines the original color for something new.



67.8178, 0.3364, 0.3037



63.8393, 0.3416, 0.2990



87.4004, 0.3089, 0.3863



18.1271, 0.3221, 0.3180



11.8230, 0.5121, 0.2595



1.1730, 0.4847, 0.2444

Previews

White Background



This preview shows how the Yxy color 65.1223, 0.2970, 0.2730 looks on a white background.

Color Contrast Check

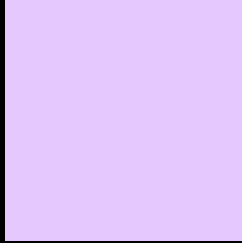
Large Text (above 18pt) WCAG AA × Fail

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 65.1223, 0.2970, 0.2730 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 65.1223, 0.2970, 0.2730

Background



This preview shows how black text looks on a background with the Yxy color 65.1223, 0.2970, 0.2730.

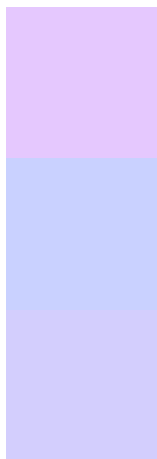


This preview shows how white text looks on a background with the Yxy color 65.1223, 0.2970, 0.2730.

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

65.1223, 0.2970, 0.2730

Protanopia

65.2384, 0.2776, 0.2789

Deuteranopia

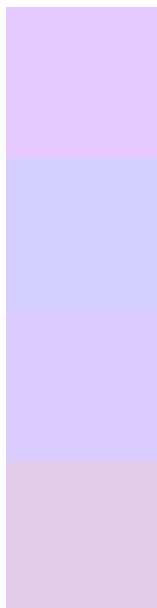
65.0833, 0.2852, 0.2785



Tritanopia

65.2638, 0.3150, 0.3115

Trichromacy



Original Color

65.1223, 0.2970, 0.2730

Protanomaly

65.2115, 0.2840, 0.2765

Deuteranomaly

65.1830, 0.2900, 0.2770

Tritanomaly

65.2950, 0.3083, 0.2968

Monochromacy



Original Color

65.1223, 0.2970, 0.2730

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

66.9660, 0.3071, 0.3083

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.1223, 0.2970, 0.2730 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(229, 200, 254)` looks like.

```
.text, #text, p{  
    color:rgb(229, 200, 254)  
}
```

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(229, 200, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 200, 254) }
```

Border

The CSS property to change the border of an element to Yxy 65.1223, 0.2970, 0.2730 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(229, 200, 254) }
```

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

```
.border{ border-color:rgb(229, 200, 254) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(229, 200, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 200, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 200, 254);  
box-shadow:4px 4px 4px 4px rgb(229, 200,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 65.1223, 0.2970, 0.2730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 200, 254) }
```

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

```
.background{ background-color: rgb(229,  
200, 254) }
```

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