

Converting Colors

Yxy(66.2046, 0.2855, 0.2540)

Have a look what the booklet for
Yxy(66.2046, 0.2855, 0.2540)
contains.

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Color

Yxy(65.0558, 0.2978, 0.2712)

Conversions

Conversions Part 1

Format	Color
Hex	E7C7FF
RGB	231, 199, 255
RGB Percent	91%, 78%, 100%
CMY	0.0939, 0.2196, 0.0000
CMYK	0.09, 0.22, 0.00, 0.00
HSL	274°, 100%, 89%
HSV	274°, 22%, 100%
XYZ	71.4366, 65.0558, 103.3888
YIQ	214.9520, 1.0960, 24.2000

Conversions

Conversions Part 2

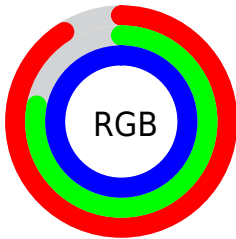
Format	Color
R _Y B	231, 199, 255
Decimal	15190015
CIE Lab	84.51, 21.36, -23.28
CIE LCh	85, 31.593, 312.534
Yxy	65.0558, 0.2978, 0.2712
Android (android.graphics.Color)	4293380095 (0xFFE7C7FF)
YUV	214.9520, 19.7437, 14.0741
Hunter-Lab	80.6572, 16.9443, -19.5397

Details

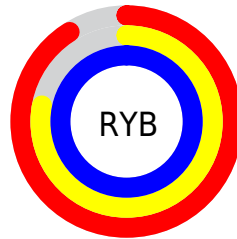
The Yxy color **65.0558, 0.2978, 0.2712** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **91.3137, 0.3249, 0.3879**, and the grayscale version is **67.7884, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **33.4420, 0.2938, 0.2586** is the 20% darker color. If you saturate the color by 10%, you get **52.5333, 0.2892, 0.2425**, and if you desaturate by 10%, it is **79.6627, 0.3053, 0.2986**.

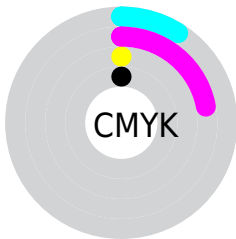
Distribution



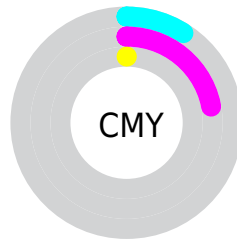
- Red (91%)
- Green (78%)
- Blue (100%)



- Red (91%)
- Yellow (78%)
- Blue (100%)



- Cyan (9%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)





- Cyan (9%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.0558, 0.2978, 0.2712 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 65.0558, 0.2978, 0.2712 by changing the saturation by 10% instead.


 65.0558, 0.2978,
0.2712

 65.0558, 0.2978,
0.2712


442.9925, 0.3052,
0.2973

 47.5063, 0.2960,
0.2654


112.1301, 0.3005,
0.2801

 33.4361, 0.2937,
0.2584


142.4237, 0.3015,
0.2836

 22.4607, 0.2908,
0.2496


177.7341, 0.3023,
0.2867

 14.1958, 0.2868,
0.2383

218.4457, 0.3031,
0.2893

 8.2570, 0.2812,
0.2235

264.9430, 0.3037,
0.2917

 4.2598, 0.2729,
0.2031

317.6103, 0.3043,

 1.8199, 0.2591,

0.2937

0.1736

376.8320, 0.3047,
0.2956

0.4996, 0.2366,
0.1175

0.0000, 0.0000,
0.0000

65.0558, 0.2978,
0.2712

65.0558, 0.2978,
0.2712

52.5333, 0.2892,
0.2425

79.6627, 0.3053,
0.2986

41.9870, 0.2795,
0.2134

96.4387, 0.3116,
0.3242

33.3112, 0.2688,
0.1848

99.9993, 0.3127,
0.3290

26.3869, 0.2574,
0.1583

■ 21.0807, 0.2457,
0.1351

■ 17.2392, 0.2343,
0.1165

■ 14.6780, 0.2234,
0.1032

■ 13.3257, 0.2153,
0.0960

Harmonies

Analogous

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



65.0558, 0.2639, 0.2648



65.0558, 0.2978, 0.2712



65.0558, 0.3380, 0.2907

Triad

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



65.0558, 0.2978, 0.2712



65.0558, 0.3859, 0.3805



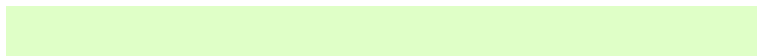
65.0558, 0.2552, 0.3350

Complementary

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



65.0558, 0.2978, 0.2712



91.3137, 0.3249, 0.3879

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.



65.0558, 0.2851, 0.3724



65.0558, 0.2978, 0.2712



65.0558, 0.3609, 0.3983

Square

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



65.0558, 0.2978, 0.2712



65.0558, 0.3908, 0.3514



65.0558, 0.3237, 0.3963



65.0558, 0.2405, 0.2987

Rectangle

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



65.0558, 0.2978, 0.2712



65.0558, 0.3627, 0.3090



65.0558, 0.3237, 0.3963



65.0558, 0.2637, 0.3481

Sweetspot

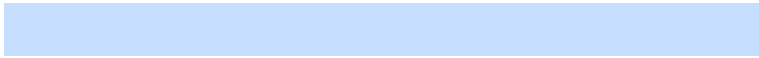
The Sweet Spot groups the original color and five complimentary colors.



65.0585, 0.2978, 0.2712



87.7162, 0.3085, 0.3116



72.2731, 0.2774, 0.2946



18.5591, 0.3081, 0.3100



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.



65.0585, 0.2978, 0.2712



59.7601, 0.2945, 0.2597



69.0821, 0.3179, 0.2776



17.8910, 0.3069, 0.3051



7.0536, 0.2169, 0.0969



0.7513, 0.2283, 0.1031

Inverse Universe

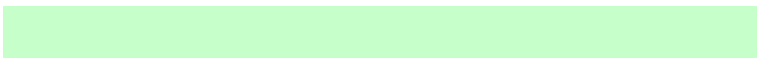
The Inverse Universe completely reimagines the original color for something new.



67.4253, 0.3389, 0.3048



62.5387, 0.3450, 0.3001



87.9523, 0.3078, 0.3864



18.1160, 0.3227, 0.3189



11.7147, 0.5270, 0.2677



1.1620, 0.4980, 0.2517

Previews

White Background



This preview shows how the Yxy color 65.0558, 0.2978, 0.2712 looks on a white background.

Color Contrast Check

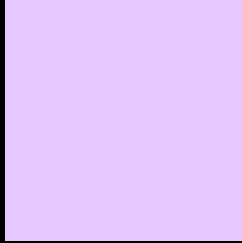
Large Text (above 18pt) WCAG AA × Fail

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 65.0558, 0.2978, 0.2712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

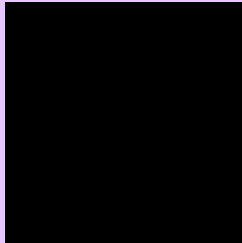
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.0558, 0.2978, 0.2712

Background



This preview shows how black text looks on a background with the Yxy color 65.0558, 0.2978, 0.2712.

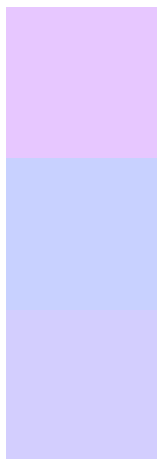


This preview shows how white text looks on a background with the Yxy color 65.0558, 0.2978, 0.2712.

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

65.0558, 0.2978, 0.2712

Protanopia

65.1003, 0.2769, 0.2788

Deuteranopia

65.1473, 0.2846, 0.2775



Tritanopia

65.0519, 0.3173, 0.3116

Trichromacy



Original Color

65.0558, 0.2978, 0.2712

Protanomaly

64.7315, 0.2839, 0.2754

Deuteranomaly

64.7731, 0.2893, 0.2749

Tritanomaly

65.0890, 0.3105, 0.2969

Monochromacy



Original Color

65.0558, 0.2978, 0.2712

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

66.6863, 0.3072, 0.3062

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.0558, 0.2978, 0.2712 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(231, 199, 255)` looks like.

```
.text, #text, p{  
    color:rgb(231, 199, 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(231, 199, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 199, 255) }
```

Border

The CSS property to change the border of an element to Yxy 65.0558, 0.2978, 0.2712 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(231, 199, 255) }
```

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

```
.border{ border-color:rgb(231, 199, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 199, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 199, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 199, 255);  
box-shadow:4px 4px 4px 4px rgb(231, 199,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 65.0558, 0.2978, 0.2712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 199, 255) }
```

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

```
.background{ background-color: rgb(231,  
199, 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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