

Converting Colors

$Yxy(66.7171, 0.3033, 0.2729)$

Have a look what the booklet for
Yxy(66.7171, 0.3033, 0.2729)
contains.

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Color

Yxy(66.8793, 0.3035, 0.2732)

Conversions

Conversions Part 1

Format	Color
Hex	EFC8FF
RGB	239, 200, 255
RGB Percent	94%, 78%, 100%
CMY	0.0629, 0.2156, 0.0000
CMYK	0.06, 0.22, 0.00, 0.00
HSL	283°, 100%, 89%
HSV	283°, 22%, 100%
XYZ	74.2967, 66.8793, 103.6237
YIQ	217.9310, 5.5890, 25.3730

Conversions

Conversions Part 2

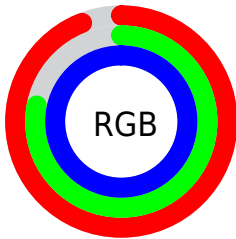
Format	Color
R _Y B	239, 200, 255
Decimal	15714559
CIE Lab	85.44, 23.34, -21.82
CIE LCh	85, 31.951, 316.915
Yxy	66.8793, 0.3035, 0.2732
Android (android.graphics.Color)	4293904639 (0xFFEFC8FF)
YUV	217.9310, 18.2750, 18.4775
Hunter-Lab	81.7798, 19.0523, -17.8810

Details

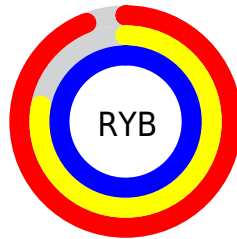
The Yxy color **66.8793, 0.3035, 0.2732** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **90.2960, 0.3199, 0.3876**, and the grayscale version is **69.9284, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **34.7023, 0.3014, 0.2615** is the 20% darker color. If you saturate the color by 10%, you get **54.7693, 0.2980, 0.2458**, and if you desaturate by 10%, it is **81.0143, 0.3082, 0.2999**.

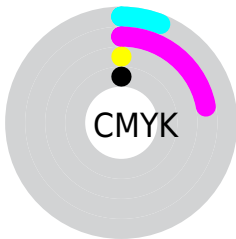
Distribution



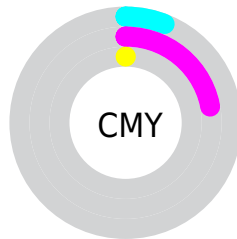
- Red (94%)
- Green (78%)
- Blue (100%)



- Red (94%)
- Yellow (78%)
- Blue (100%)



- Cyan (6%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)





- Cyan (6%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.8793, 0.3035, 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 66.8793, 0.3035, 0.2732 by changing the saturation by 10% instead.


 66.8793, 0.3035,
0.2732

 66.8793, 0.3035,
0.2732


449.5150, 0.3082,
0.2983

 48.9865, 0.3023,
0.2677


114.7474, 0.3052,
0.2817

 34.6088, 0.3008,
0.2609


145.4916, 0.3059,
0.2851

 23.3617, 0.2989,
0.2526


181.2884, 0.3064,
0.2880

 14.8608, 0.2962,
0.2419

222.5222, 0.3069,
0.2906

 8.7218, 0.2923,
0.2278

269.5773, 0.3073,
0.2928

 4.5601, 0.2864,
0.2085

322.8382, 0.3076,

 1.9916, 0.2766,

0.2948

0.1807

382.6893, 0.3079,
0.2966

0.6026, 0.2593,
0.1325

0.0000, 0.0845,
0.0000

66.8793, 0.3035,
0.2732

66.8793, 0.3035,
0.2732

54.7693, 0.2980,
0.2458

81.0143, 0.3082,
0.2999

44.5831, 0.2917,
0.2183

97.2627, 0.3122,
0.3252

36.2150, 0.2847,
0.1919

100.0000, 0.3127,
0.3290

29.5480, 0.2771,
0.1678

■ 24.4508, 0.2691,
0.1472

■ 20.7727, 0.2611,
0.1310

■ 18.3325, 0.2532,
0.1196

■ 17.0037, 0.2469,
0.1134

Harmonies

Analogous

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



66.8793, 0.2680, 0.2647



66.8793, 0.3035, 0.2732



66.8793, 0.3438, 0.2943

Triad

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



66.8793, 0.3035, 0.2732



66.8793, 0.3835, 0.3841



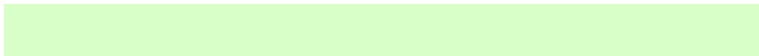
66.8793, 0.2518, 0.3293

Complementary

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



66.8793, 0.3035, 0.2732



90.2960, 0.3199, 0.3876

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.



66.8793, 0.2799, 0.3675



66.8793, 0.3035, 0.2732



66.8793, 0.3560, 0.3995

Square

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



66.8793, 0.3035, 0.2732



66.8793, 0.3917, 0.3560



66.8793, 0.3179, 0.3943



66.8793, 0.2397, 0.2941

Rectangle

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



66.8793, 0.3035, 0.2732



66.8793, 0.3675, 0.3134



66.8793, 0.3179, 0.3943



66.8793, 0.2596, 0.3424

Sweetspot

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



66.8803, 0.3035, 0.2732



89.7876, 0.3105, 0.3142



68.8742, 0.2775, 0.2872



18.9904, 0.3103, 0.3125



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.



66.8803, 0.3035, 0.2732



61.2633, 0.3012, 0.2611



69.1064, 0.3231, 0.2854



18.0189, 0.3091, 0.3052



8.9652, 0.2481, 0.1141



0.9290, 0.2566, 0.1187

Inverse Universe

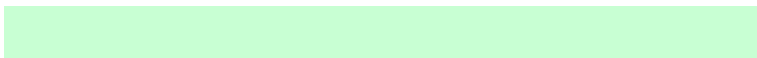
The Inverse Universe completely reimagines the original color for something new.



67.5346, 0.3441, 0.3127



62.0816, 0.3524, 0.3092



88.5048, 0.3038, 0.3769



18.0742, 0.3248, 0.3221



11.3919, 0.5798, 0.2968



1.1272, 0.5478, 0.2792

Previews

White Background



This preview shows how the Yxy color 66.8793, 0.3035, 0.2732 looks on a white background.

Color Contrast Check

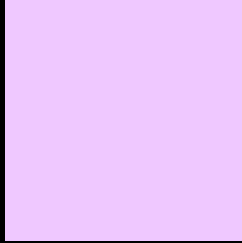
Large Text (above 18pt) WCAG AA × Fail

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 66.8793, 0.3035, 0.2732 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

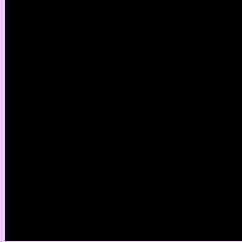
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.8793, 0.3035, 0.2732

Background



This preview shows how black text looks on a background with the Yxy color 66.8793, 0.3035, 0.2732.

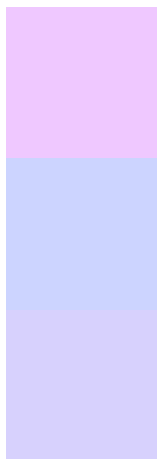


This preview shows how white text looks on a background with the Yxy color 66.8793, 0.3035, 0.2732.

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

66.8793, 0.3035, 0.2732

Protanopia

67.1443, 0.2797, 0.2825

Deuteranopia

67.1399, 0.2881, 0.2821



Tritanopia

66.9090, 0.3226, 0.3120

Trichromacy



Original Color

66.8793, 0.3035, 0.2732

Protanomaly

67.0835, 0.2882, 0.2793

Deuteranomaly

67.1457, 0.2936, 0.2788

Tritanomaly

66.9591, 0.3157, 0.2976

Monochromacy



Original Color

66.8793, 0.3035, 0.2732

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

68.5268, 0.3101, 0.3076

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.8793, 0.3035, 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(239, 200, 255)` looks like.

```
.text, #text, p{  
    color:rgb(239, 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(239, 200, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 200, 255) }
```

Border

The CSS property to change the border of an element to Yxy 66.8793, 0.3035, 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(239, 200, 255) }
```

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

```
.border{ border-color:rgb(239, 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(239, 200, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 200, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 200, 255);  
box-shadow:4px 4px 4px 4px rgb(239, 200,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 66.8793, 0.3035, 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(239, 200, 255) }
```

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

```
.background{ background-color: rgb(239,  
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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