

Converting Colors

$Y_{xy}(66.1999, 0.3028, 0.2720)$

Have a look what the booklet for
Yxy(66.1999, 0.3028, 0.2720)
contains.

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Color

Yxy(66.2440, 0.3028, 0.2721)

Conversions

Conversions Part 1

Format	Color
Hex	EEC7FF
RGB	238, 199, 255
RGB Percent	93%, 78%, 100%
CMY	0.0669, 0.2195, 0.0001
CMYK	0.07, 0.22, 0.00, 0.00
HSL	282°, 100%, 89%
HSV	282°, 22%, 100%
XYZ	73.7181, 66.2440, 103.4926
YIQ	217.0450, 5.2680, 25.6840

Conversions

Conversions Part 2

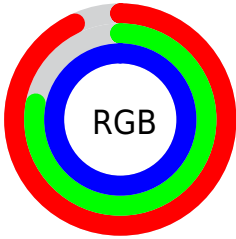
Format	Color
R _Y B	238, 199, 255
Decimal	15648767
CIE Lab	85.12, 23.53, -22.30
CIE LCh	85, 32.413, 316.535
Yxy	66.2440, 0.3028, 0.2721
Android (android.graphics.Color)	4293838847 (0xFFEEC7FF)
YUV	217.0450, 18.7118, 18.3775
Hunter-Lab	81.3904, 19.2403, -18.4173

Details

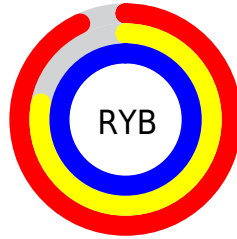
The Yxy color $66.2440, 0.3028, 0.2721$ is a light color, and the websafe version is hex FFCCFF . A complement of this color would be $90.2412, 0.3204, 0.3887$, and the grayscale version is $69.2858, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $34.2731, 0.3004, 0.2600$ is the 20% darker color. If you saturate the color by 10%, you get $54.1637, 0.2970, 0.2445$, and if you desaturate by 10%, it is $80.3538, 0.3078, 0.2989$.

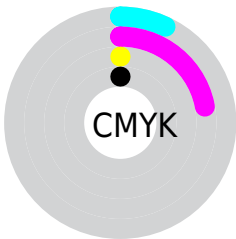
Distribution



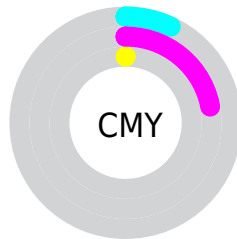
- Red (93%)
- Green (78%)
- Blue (100%)



- Red (93%)
- Yellow (78%)
- Blue (100%)



- Cyan (7%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)




- Cyan (7%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.2440, 0.3028, 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 66.2440, 0.3028, 0.2721 by changing the saturation by 10% instead.


 66.2440, 0.3028,
0.2721

 66.2440, 0.3028,
0.2721

447.2490, 0.3079,
0.2977

 48.4705, 0.3015,
0.2665


113.8365, 0.3046,
0.2808

 34.1996, 0.2999,
0.2596


144.4242, 0.3053,
0.2843

 23.0470, 0.2978,
0.2510


180.0522, 0.3059,
0.2872

 14.6282, 0.2950,
0.2401

221.1048, 0.3064,
0.2898

 8.5589, 0.2908,
0.2257

267.9663, 0.3069,
0.2921

 4.4546, 0.2846,
0.2060

321.0213, 0.3072,

 1.9310, 0.2740,

0.2942

0.1776

380.6541, 0.3076,
0.2960

0.5669, 0.2561,
0.1270

0.0000, 0.0590,
0.0000

66.2440, 0.3028,
0.2721

66.2440, 0.3028,
0.2721

54.1637, 0.2970,
0.2445

80.3538, 0.3078,
0.2989

44.0057, 0.2903,
0.2169

96.5762, 0.3120,
0.3243

35.6658, 0.2829,
0.1904

99.9988, 0.3127,
0.3290

29.0265, 0.2749,
0.1661

■ 23.9558, 0.2666,
0.1454

■ 20.3020, 0.2582,
0.1291

■ 17.8823, 0.2500,
0.1177

■ 16.6096, 0.2438,
0.1117

Harmonies

Analogous

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



66.2440, 0.2668, 0.2636



66.2440, 0.3028, 0.2721



66.2440, 0.3438, 0.2934

Triad

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



66.2440, 0.3028, 0.2721



66.2440, 0.3850, 0.3847



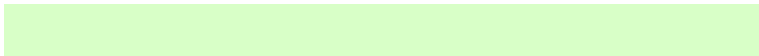
66.2440, 0.2511, 0.3298

Complementary

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



66.2440, 0.3028, 0.2721



90.2412, 0.3204, 0.3887

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.



66.2440, 0.2798, 0.3687



66.2440, 0.3028, 0.2721



66.2440, 0.3572, 0.4007

Square

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



66.2440, 0.3028, 0.2721



66.2440, 0.3930, 0.3560



66.2440, 0.3185, 0.3957



66.2440, 0.2385, 0.2938

Rectangle

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



66.2440, 0.3028, 0.2721



66.2440, 0.3680, 0.3127



66.2440, 0.3185, 0.3957



66.2440, 0.2591, 0.3431

Sweetspot

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



66.2468, 0.3028, 0.2721



88.1193, 0.3100, 0.3116



68.8597, 0.2769, 0.2874



18.6526, 0.3097, 0.3101



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.



66.2468, 0.3028, 0.2721



61.1178, 0.3005, 0.2610



68.6917, 0.3226, 0.2837



18.0067, 0.3089, 0.3052



8.7622, 0.2450, 0.1123



0.9105, 0.2539, 0.1172

Inverse Universe

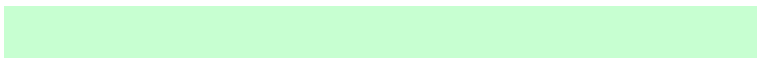
The Inverse Universe completely reimagines the original color for something new.



67.0769, 0.3442, 0.3117



62.1238, 0.3517, 0.3083



88.2720, 0.3042, 0.3789



18.0781, 0.3246, 0.3218



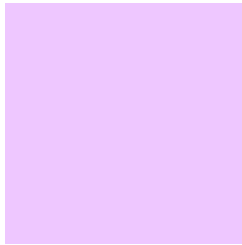
11.4165, 0.5753, 0.2943



1.1300, 0.5433, 0.2767

Previews

White Background



This preview shows how the Yxy color 66.2440, 0.3028, 0.2721 looks on a white background.

Color Contrast Check

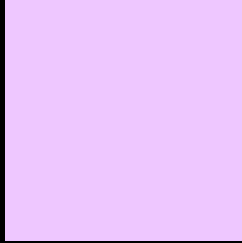
Large Text (above 18pt) WCAG AA × Fail

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 66.2440, 0.3028, 0.2721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

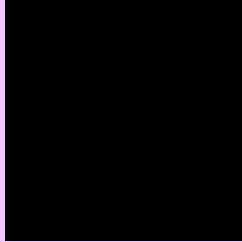
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.2440, 0.3028, 0.2721

Background



This preview shows how black text looks on a background with the Yxy color 66.2440, 0.3028, 0.2721.



This preview shows how white text looks on a background with the Yxy color 66.2440, 0.3028, 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

66.2440, 0.3028, 0.2721

Protanopia

66.5050, 0.2790, 0.2813

Deuteranopia

66.4997, 0.2874, 0.2809



Tritanopia

66.2067, 0.3226, 0.3119

Trichromacy



Original Color

66.2440, 0.3028, 0.2721

Protanomaly

66.4446, 0.2874, 0.2781

Deuteranomaly

66.5064, 0.2928, 0.2776

Tritanomaly

66.2572, 0.3157, 0.2974

Monochromacy



Original Color

66.2440, 0.3028, 0.2721

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

67.8703, 0.3094, 0.3064

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.2440, 0.3028, 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(238, 199, 255)` looks like.

```
.text, #text, p{  
    color:rgb(238, 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(238, 199, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 199, 255) }
```

Border

The CSS property to change the border of an element to Yxy 66.2440, 0.3028, 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(238, 199, 255) }
```

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

```
.border{ border-color:rgb(238, 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(238, 199, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 199, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 199, 255);  
box-shadow:4px 4px 4px 4px rgb(238, 199,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 66.2440, 0.3028, 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(238, 199, 255) }
```

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

```
.background{ background-color: rgb(238,  
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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