

Converting Colors

Yxy(67.2254, 0.2854, 0.2519)

Have a look what the booklet for
Yxy(67.2254, 0.2854, 0.2519)
contains.

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Color

Yxy(65.5593, 0.2999, 0.2716)

Conversions

Conversions Part 1

Format	Color
Hex	EAC7FF
RGB	234, 199, 255
RGB Percent	92%, 78%, 100%
CMY	0.0825, 0.2195, 0.0001
CMYK	0.08, 0.22, 0.00, 0.00
HSL	277°, 100%, 89%
HSV	277°, 22%, 100%
XYZ	72.3904, 65.5593, 103.4321
YIQ	215.8490, 2.8840, 24.8360

Conversions

Conversions Part 2

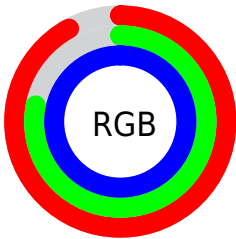
Format	Color
R_{YB}	234, 199, 255
Decimal	15386623
CIE _{Lab}	84.77, 22.26, -22.86
CIE _{LCh}	85, 31.907, 314.232
Yxy	65.5593, 0.2999, 0.2716
Android (android.graphics.Color)	4293576703 (0xFFEAC7FF)
YUV	215.8490, 19.3014, 15.9184
Hunter-Lab	80.9687, 17.8935, -19.0609

Details

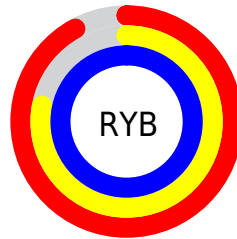
The Yxy color $65.5593, 0.2999, 0.2716$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $90.8596, 0.3230, 0.3882$, and the grayscale version is $68.4245, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $33.7930, 0.2967, 0.2592$ is the 20% darker color. If you saturate the color by 10%, you get $53.2149, 0.2925, 0.2434$, and if you desaturate by 10%, it is $79.9629, 0.3063, 0.2987$.

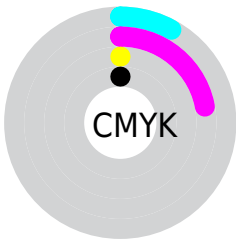
Distribution



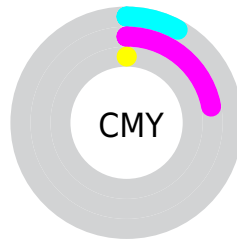
- Red (92%)
- Green (78%)
- Blue (100%)



- Red (92%)
- Yellow (78%)
- Blue (100%)



- Cyan (8%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)





- Cyan (8%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.5593, 0.2999, 0.2716 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 65.5593, 0.2999, 0.2716 by changing the saturation by 10% instead.


 65.5593, 0.2999,
0.2716

 65.5593, 0.2999,
0.2716


444.7991, 0.3063,
0.2975

 47.9147, 0.2983,
0.2659

112.8536, 0.3022,
0.2804

 33.7594, 0.2963,
0.2589

143.2721, 0.3031,
0.2839

 22.7088, 0.2938,
0.2502


178.7174, 0.3038,
0.2869

 14.3786, 0.2903,
0.2391

219.5738, 0.3045,
0.2896

 8.3845, 0.2853,
0.2245

266.2258, 0.3050,
0.2919

 4.3419, 0.2778,
0.2044

319.0578, 0.3055,

 1.8666, 0.2654,

0.2939

0.1753

378.4541, 0.3059,
0.2958

0.5282, 0.2448,
0.1217

0.0000, 0.0000,
0.0000

65.5593, 0.2999,
0.2716

65.5593, 0.2999,
0.2716

53.2149, 0.2925,
0.2434

79.9629, 0.3063,
0.2987

42.8222, 0.2840,
0.2149

96.5097, 0.3118,
0.3243

34.2761, 0.2747,
0.1872

99.9990, 0.3127,
0.3290

27.4584, 0.2647,
0.1615

■ 22.2365, 0.2544,
0.1393

■ 18.4578, 0.2441,
0.1217

■ 15.9388, 0.2343,
0.1092

■ 14.6043, 0.2269,
0.1024

Harmonies

Analogous

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



65.5593, 0.2651, 0.2644



65.5593, 0.2999, 0.2716



65.5593, 0.3404, 0.2918

Triad

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



65.5593, 0.2999, 0.2716



65.5593, 0.3855, 0.3823



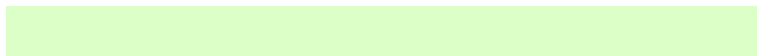
65.5593, 0.2535, 0.3328

Complementary

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



65.5593, 0.2999, 0.2716



90.8596, 0.3230, 0.3882

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.



65.5593, 0.2829, 0.3708



65.5593, 0.2999, 0.2716



65.5593, 0.3593, 0.3993

Square

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



65.5593, 0.2999, 0.2716



65.5593, 0.3917, 0.3533



65.5593, 0.3215, 0.3961



65.5593, 0.2397, 0.2966

Rectangle

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



65.5593, 0.2999, 0.2716



65.5593, 0.3649, 0.3105



65.5593, 0.3215, 0.3961



65.5593, 0.2617, 0.3460

Sweetspot

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



65.5621, 0.2999, 0.2716



87.8849, 0.3091, 0.3116



70.8018, 0.2772, 0.2916



18.5982, 0.3088, 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.



65.5621, 0.2999, 0.2716



60.3223, 0.2970, 0.2602



68.9216, 0.3199, 0.2802



17.9393, 0.3077, 0.3051



7.7203, 0.2284, 0.1032



0.8142, 0.2388, 0.1089

Inverse Universe

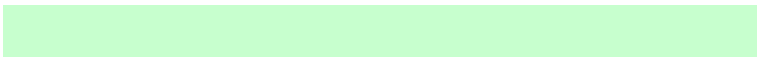
The Inverse Universe completely reimagines the original color for something new.



67.2865, 0.3411, 0.3077



62.3619, 0.3478, 0.3035



88.0902, 0.3062, 0.3832



18.1000, 0.3235, 0.3201



11.5752, 0.5482, 0.2793



1.1474, 0.5172, 0.2623

Previews

White Background



This preview shows how the Yxy color 65.5593, 0.2999, 0.2716 looks on a white background.

Color Contrast Check

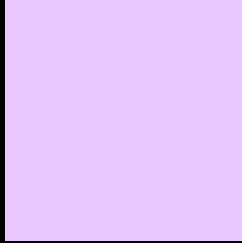
Large Text (above 18pt) WCAG AA × Fail

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 65.5593, 0.2999, 0.2716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

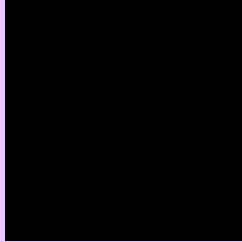
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.5593, 0.2999, 0.2716

Background



This preview shows how black text looks on a background with the Yxy color 65.5593, 0.2999, 0.2716.



This preview shows how white text looks on a background with the Yxy color 65.5593, 0.2999, 0.2716.

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

65.5593, 0.2999, 0.2716

Protanopia

65.7307, 0.2776, 0.2800

Deuteranopia

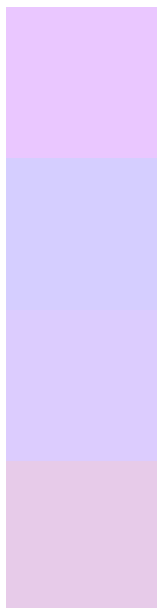
65.7145, 0.2860, 0.2797



Tritanopia

65.5411, 0.3196, 0.3117

Trichromacy



Original Color

65.5593, 0.2999, 0.2716

Protanomaly

65.5087, 0.2854, 0.2767

Deuteranomaly

65.5571, 0.2907, 0.2762

Tritanomaly

65.5840, 0.3127, 0.2971

Monochromacy



Original Color

65.5593, 0.2999, 0.2716

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

67.4943, 0.3086, 0.3074

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.5593, 0.2999, 0.2716 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(234, 199, 255)` looks like.

```
.text, #text, p{  
    color:rgb(234, 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(234, 199, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 199, 255) }
```

Border

The CSS property to change the border of an element to Yxy 65.5593, 0.2999, 0.2716 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(234, 199, 255) }
```

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

```
.border{ border-color:rgb(234, 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(234, 199, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 199, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 199, 255);  
box-shadow:4px 4px 4px 4px rgb(234, 199,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 65.5593, 0.2999, 0.2716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 199, 255) }
```

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

```
.background{ background-color: rgb(234,  
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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