

Converting Colors

$Y_{xy}(69.4552, 0.2990, 0.2895)$

Have a look what the booklet for
Yxy(69.4552, 0.2990, 0.2895)
contains.

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Color

Yxy(69.6967, 0.2995, 0.2903)

Conversions

Conversions Part 1

Format	Color
Hex	E3D3F8
RGB	227, 211, 248
RGB Percent	89%, 83%, 97%
CMY	0.1100, 0.1725, 0.0274
CMYK	0.08, 0.15, 0.00, 0.03
HSL	266°, 73%, 90%
HSV	266°, 15%, 97%
XYZ	71.9055, 69.6967, 98.4829
YIQ	220.0020, -2.3410, 14.8990

Conversions

Conversions Part 2

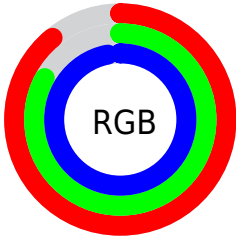
Format	Color
RYB	227, 211, 248
Decimal	14930936
CIELab	86.85, 12.28, -16.09
CIELCh	87, 20.246, 307.353
Yxy	69.6967, 0.2995, 0.2903
Android (android.graphics.Color)	4293121016 (0xFFE3D3F8)
YUV	220.0020, 13.8030, 6.1372
Hunter-Lab	83.4845, 7.6446, -11.5025

Details

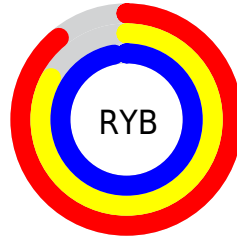
The Yxy color $69.6967, 0.2995, 0.2903$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $89.0204, 0.3245, 0.3673$, and the grayscale version is $71.4729, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $36.2406, 0.2954, 0.2803$ is the 20% darker color. If you saturate the color by 10%, you get $56.1083, 0.2889, 0.2617$, and if you desaturate by 10%, it is $85.3806, 0.3087, 0.3168$.

Distribution



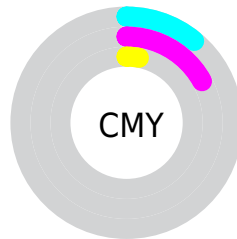
- Red (89%)
- Green (83%)
- Blue (97%)



- Red (89%)
- Yellow (83%)
- Blue (97%)



- Cyan (8%)
- Magenta (15%)
- Yellow (0%)
- Black (3%)




- Cyan (11%)
- Magenta (17%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.6967, 0.2995, 0.2903 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 69.6967, 0.2995, 0.2903 by changing the saturation by 10% instead.


 69.6967, 0.2995,
0.2903

 69.6967, 0.2995,
0.2903


459.4843, 0.3058,
0.3079

 51.2793, 0.2980,
0.2864

118.7761, 0.3017,
0.2963

 36.4309, 0.2962,
0.2815


150.2070, 0.3026,
0.2987

 24.7672, 0.2938,
0.2755


186.7444, 0.3033,
0.3007

 15.9037, 0.2907,
0.2677

228.7728, 0.3039,
0.3025

 9.4560, 0.2863,
0.2573

276.6766, 0.3045,
0.3041

 5.0398, 0.2799,
0.2427

330.8402, 0.3050,

 2.2706, 0.2696,

0.3055

0.2210

391.6480, 0.3054,
0.3068

0.7581, 0.2510,
0.1842

0.0000, 0.0000,
0.0000

69.6967, 0.2995,
0.2903

69.6967, 0.2995,
0.2903

56.1083, 0.2889,
0.2617

85.3806, 0.3087,
0.3168

44.5153, 0.2768,
0.2314

99.5584, 0.3168,
0.3357

34.8222, 0.2633,
0.2005

26.9221, 0.2489,
0.1701

■ 20.6973, 0.2340,
0.1419

■ 16.0153, 0.2193,
0.1176

■ 12.7224, 0.2055,
0.0985

■ 10.6307, 0.1933,
0.0856

■ 9.8903, 0.1878,
0.0808

Harmonies

Analogous

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



69.6967, 0.2788, 0.2882



69.6967, 0.2995, 0.2903



69.6967, 0.3246, 0.3017

Triad

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



69.6967, 0.2995, 0.2903



69.6967, 0.3601, 0.3596



69.6967, 0.2790, 0.3373

Complementary

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



69.6967, 0.2995, 0.2903



89.0204, 0.3245, 0.3673

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.



69.6967, 0.2997, 0.3588



69.6967, 0.2995, 0.2903



69.6967, 0.3468, 0.3713

Square

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



69.6967, 0.2995, 0.2903



69.6967, 0.3603, 0.3406



69.6967, 0.3245, 0.3715



69.6967, 0.2674, 0.3143

Rectangle

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



69.6967, 0.2995, 0.2903



69.6967, 0.3403, 0.3132



69.6967, 0.3245, 0.3715



69.6967, 0.2851, 0.3451

Sweetspot

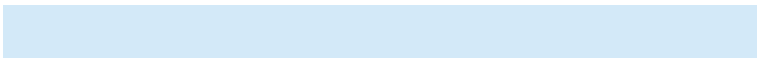
The Sweet Spot groups the original color and five complimentary colors.



69.6996, 0.2995, 0.2903



92.5788, 0.3095, 0.3191



78.6830, 0.2894, 0.3126



19.5259, 0.3088, 0.3172



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.



69.6996, 0.2995, 0.2903



69.5051, 0.2963, 0.2816



72.7778, 0.3122, 0.2918



17.0084, 0.3047, 0.3050



5.4210, 0.1894, 0.0817



0.5633, 0.2026, 0.0890

Inverse Universe

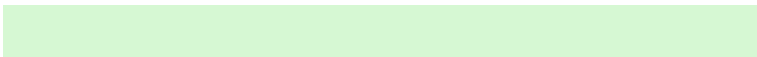
The Inverse Universe completely reimagines the original color for something new.



72.3897, 0.3255, 0.3076



72.9220, 0.3286, 0.3030



86.1614, 0.3128, 0.3687



17.3909, 0.3204, 0.3156



11.8518, 0.4669, 0.2346



1.1189, 0.4446, 0.2223

Previews

White Background



This preview shows how the Yxy color 69.6967, 0.2995, 0.2903 looks on a white background.

Color Contrast Check

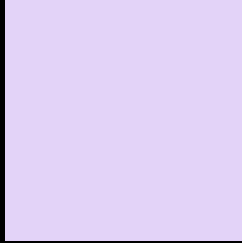
Large Text (above 18pt) WCAG AA × Fail

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 69.6967, 0.2995, 0.2903 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

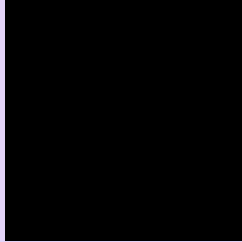
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

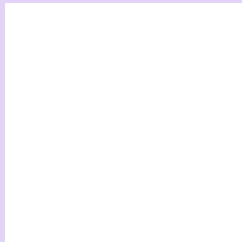
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.6967, 0.2995, 0.2903

Background



This preview shows how black text looks on a background with the Yxy color 69.6967, 0.2995, 0.2903.



This preview shows how white text looks on a background with the Yxy color 69.6967, 0.2995, 0.2903.

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

69.6967, 0.2995, 0.2903

Protanopia

69.9257, 0.2869, 0.2915

Deuteranopia

69.7116, 0.2975, 0.2911



Tritanopia

69.7099, 0.3085, 0.3107

Trichromacy



Original Color

69.6967, 0.2995, 0.2903

Protanomaly

69.7470, 0.2915, 0.2908

Deuteranomaly

69.8718, 0.2982, 0.2912

Tritanomaly

69.7105, 0.3053, 0.3035

Monochromacy



Original Color

69.6967, 0.2995, 0.2903

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

71.0269, 0.3084, 0.3150

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.6967, 0.2995, 0.2903 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(227, 211, 248)` looks like.

```
.text, #text, p{  
    color:rgb(227, 211, 248)  
}
```

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(227, 211, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 211, 248) }
```

Border

The CSS property to change the border of an element to Yxy 69.6967, 0.2995, 0.2903 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(227, 211, 248) }
```

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

```
.border{ border-color:rgb(227, 211, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 211, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 211, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 211, 248);  
box-shadow:4px 4px 4px 4px rgb(227, 211,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 69.6967, 0.2995, 0.2903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 211, 248) }
```

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

```
.background{ background-color: rgb(227,  
211, 248) }
```

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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