

Converting Colors

Yxy(68.0509, 0.2942, 0.2819)

Have a look what the booklet for
Yxy(68.0509, 0.2942, 0.2819)
contains.

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Color

Yxy(68.0509, 0.2942, 0.2819)

Conversions

Conversions Part 1

Format	Color
Hex	E0D0FD
RGB	224, 208, 253
RGB Percent	88%, 82%, 99%
CMY	0.1217, 0.1843, 0.0078
CMYK	0.11, 0.18, 0.00, 0.01
HSL	261°, 92%, 90%
HSV	261°, 18%, 99%
XYZ	71.0201, 68.0509, 102.3298
YIQ	217.9140, -4.9090, 17.3870

Conversions

Conversions Part 2

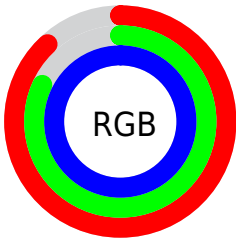
Format	Color
RYB	224, 208, 253
Decimal	14733565
CIELab	86.03, 13.92, -19.99
CIELCh	86, 24.359, 304.862
Yxy	68.0509, 0.2942, 0.2819
Android (android.graphics.Color)	4292923645 (0xFFE0D0FD)
YUV	217.9140, 17.2974, 5.3374
Hunter-Lab	82.4930, 9.3121, -15.8022

Details

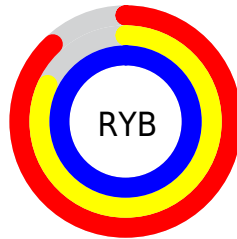
The Yxy color $68.0509, 0.2942, 0.2819$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $92.8273, 0.3290, 0.3749$, and the grayscale version is $69.9296, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $35.5317, 0.2903, 0.2723$ is the 20% darker color. If you saturate the color by 10%, you get $54.1991, 0.2816, 0.2522$, and if you desaturate by 10%, it is $84.1268, 0.3052, 0.3094$.

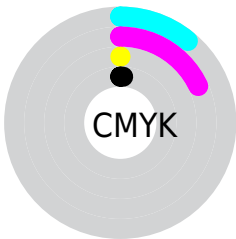
Distribution



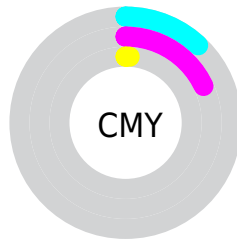
- Red (88%)
- Green (82%)
- Blue (99%)



- Red (88%)
- Yellow (82%)
- Blue (99%)



- Cyan (11%)
- Magenta (18%)
- Yellow (0%)
- Black (1%)



- Cyan (12%)
- Magenta (18%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.0509, 0.2942, 0.2819 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 68.0509, 0.2942, 0.2819 by changing the saturation by 10% instead.

68.0509, 0.2942,
0.2819

68.0509, 0.2942,
0.2819

453.6763, 0.3030,
0.3033

49.9391, 0.2921,
0.2771

116.4250, 0.2973,
0.2892

35.3650, 0.2895,
0.2713

147.4560, 0.2985,
0.2921

23.9442, 0.2862,
0.2640

183.5624, 0.2995,
0.2946

15.2922, 0.2818,
0.2546

225.1283, 0.3004,
0.2968

9.0247, 0.2758,
0.2422

272.5383, 0.3012,
0.2987

4.7573, 0.2668,
0.2248

326.1767, 0.3019,

2.1056, 0.2527,

0.3004

0.1993

386.4279, 0.3025,
0.3019

0.6678, 0.2282,
0.1552

0.0000, 0.0000,
0.0000

68.0509, 0.2942,
0.2819

68.0509, 0.2942,
0.2819

54.1991, 0.2816,
0.2522

84.1268, 0.3052,
0.3094

42.4629, 0.2674,
0.2208

99.8726, 0.3139,
0.3309

32.7370, 0.2519,
0.1888

24.9038, 0.2356,
0.1577

■ 18.8327, 0.2192,
0.1293

■ 14.3763, 0.2035,
0.1054

■ 11.3613, 0.1896,
0.0875

■ 9.5590, 0.1780,
0.0762

■ 9.2523, 0.1757,
0.0742

Harmonies

Analogous

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



68.0509, 0.2701, 0.2802



68.0509, 0.2942, 0.2819



68.0509, 0.3244, 0.2947

Triad

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



68.0509, 0.2942, 0.2819



68.0509, 0.3709, 0.3639



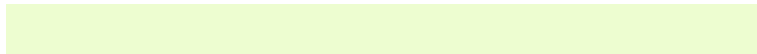
68.0509, 0.2737, 0.3414

Complementary

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



68.0509, 0.2942, 0.2819



92.8273, 0.3290, 0.3749

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.



68.0509, 0.2992, 0.3673



68.0509, 0.2942, 0.2819



68.0509, 0.3557, 0.3796

Square

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



68.0509, 0.2942, 0.2819



68.0509, 0.3699, 0.3406



68.0509, 0.3292, 0.3815



68.0509, 0.2587, 0.3130

Rectangle

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



68.0509, 0.2942, 0.2819



68.0509, 0.3439, 0.3080



68.0509, 0.3292, 0.3815



68.0509, 0.2812, 0.3508

Sweetspot

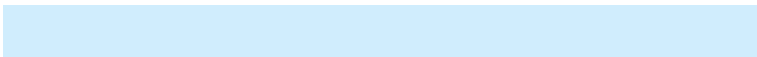
The Sweet Spot groups the original color and five complimentary colors.



68.0538, 0.2942, 0.2819



90.6058, 0.3080, 0.3166



81.2253, 0.2850, 0.3124



19.1210, 0.3073, 0.3148



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.



68.0538, 0.2942, 0.2819



64.4877, 0.2903, 0.2725



71.8515, 0.3099, 0.2841



17.6911, 0.3034, 0.3048



4.9950, 0.1773, 0.0750



0.5449, 0.1896, 0.0818

Inverse Universe

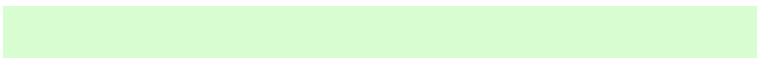
The Inverse Universe completely reimagines the original color for something new.



72.1212, 0.3259, 0.3000



69.3002, 0.3288, 0.2945



89.2245, 0.3147, 0.3770



18.1846, 0.3193, 0.3138



12.5497, 0.4361, 0.2176



1.2427, 0.4194, 0.2084

Previews

White Background



This preview shows how the Yxy color 68.0509, 0.2942, 0.2819 looks on a white background.

Color Contrast Check

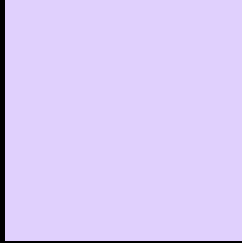
Large Text (above 18pt) WCAG AA × Fail

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 68.0509, 0.2942, 0.2819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

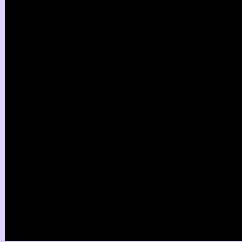
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

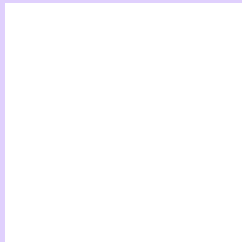
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.0509, 0.2942, 0.2819

Background



This preview shows how black text looks on a background with the Yxy color 68.0509, 0.2942, 0.2819.



This preview shows how white text looks on a background with the Yxy color 68.0509, 0.2942, 0.2819.

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

68.0509, 0.2942, 0.2819

Protanopia

68.0739, 0.2818, 0.2838

Deuteranopia

68.0905, 0.2902, 0.2835



Tritanopia

67.9598, 0.3070, 0.3105

Trichromacy



Original Color

68.0509, 0.2942, 0.2819

Protanomaly

67.8904, 0.2862, 0.2832

Deuteranomaly

67.9084, 0.2915, 0.2826

Tritanomaly

68.1337, 0.3018, 0.3000

Monochromacy



Original Color

68.0509, 0.2942, 0.2819

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

69.0783, 0.3057, 0.3106

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.0509, 0.2942, 0.2819 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(224, 208, 253)` looks like.

```
.text, #text, p{  
    color:rgb(224, 208, 253)  
}
```

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(224, 208, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 208, 253) }
```

Border

The CSS property to change the border of an element to Yxy 68.0509, 0.2942, 0.2819 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(224, 208, 253) }
```

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

```
.border{ border-color:rgb(224, 208, 253) }
```

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

Here you see how a box with a 4 pixel rgb(224, 208, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 208, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 208, 253);  
box-shadow:4px 4px 4px 4px rgb(224, 208,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 68.0509, 0.2942, 0.2819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 208, 253) }
```

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

```
.background{ background-color: rgb(224,  
208, 253) }
```

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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