

Converting Colors

Yxy(69.5072, 0.2937, 0.3002)

Have a look what the booklet for
Yxy(69.5072, 0.2937, 0.3002)
contains.

Yxy(69.6687, 0.2938, 0.3009)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(69.6687, 0.2938, 0.3009)

Conversions

Conversions Part 1

Format	Color
Hex	D5D8F2
RGB	213, 216, 242
RGB Percent	84%, 85%, 95%
CMY	0.1646, 0.1529, 0.0511
CMYK	0.12, 0.11, 0.00, 0.05
HSL	234°, 53%, 89%
HSV	234°, 12%, 95%
XYZ	68.0248, 69.6687, 93.8409
YIQ	218.0670, -10.1340, 7.4500

Conversions

Conversions Part 2

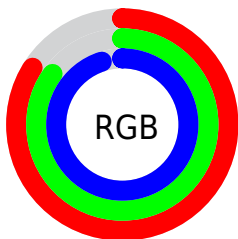
Format	Color
R _Y B	213, 216, 242
Decimal	14014706
CIE Lab	86.83, 4.00, -13.03
CIE LCh	87, 13.629, 287.047
Yxy	69.6687, 0.2938, 0.3009
Android (android.graphics.Color)	4292204786 (0xFFD5D8F2)
YUV	218.0670, 11.7990, -4.4438
Hunter-Lab	83.4678, -0.5942, -8.2309

Details

The Yxy color **69.6687, 0.2938, 0.3009** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **85.4065, 0.3310, 0.3556**, and the grayscale version is **70.0852, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.3040, 0.2889, 0.2937** is the 20% darker color. If you saturate the color by 10%, you get **55.9197, 0.2760, 0.2741**, and if you desaturate by 10%, it is **85.4330, 0.3098, 0.3247**.

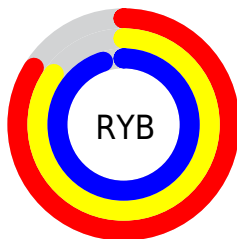
Distribution



Red (84%)

Green (85%)

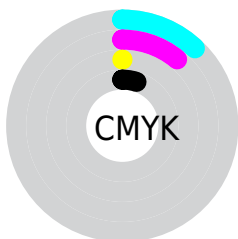
Blue (95%)



Red (84%)

Yellow (85%)

Blue (95%)

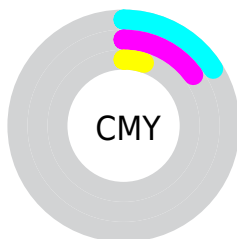


Cyan (12%)

Magenta (11%)

Yellow (0%)

Black (5%)



Cyan (16%)

Magenta (15%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.6687, 0.2938, 0.3009 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 69.6687, 0.2938, 0.3009 by changing the saturation by 10% instead.

■ 69.6687, 0.2938,
0.3009

■ 69.6687, 0.2938,
0.3009

459.3859, 0.3026,
0.3139

■ 51.2565, 0.2918,
0.2980

118.7362, 0.2969,
0.3054

■ 36.4128, 0.2892,
0.2943

150.1602, 0.2981,
0.3071

■ 24.7532, 0.2860,
0.2897

186.6904, 0.2991,
0.3086

■ 15.8932, 0.2818,
0.2838

228.7110, 0.3000,
0.3099

■ 9.4486, 0.2761,
0.2757

276.6064, 0.3008,
0.3111

■ 5.0350, 0.2677,
0.2641

330.7611, 0.3015,

■ 2.2678, 0.2545,

0.3121

0.2463

391.5595, 0.3021,
0.3130

0.7566, 0.2313,
0.2142

0.0000, 0.0000,
0.0000

69.6687, 0.2938,
0.3009

69.6687, 0.2938,
0.3009

55.9197, 0.2760,
0.2741

85.4330, 0.3098,
0.3247

44.0962, 0.2567,
0.2443

99.1889, 0.3203,
0.3415

34.1147, 0.2363,
0.2124

25.8819, 0.2157,
0.1793

■ 19.2967, 0.1959,
0.1469

■ 14.2471, 0.1786,
0.1172

■ 10.6073, 0.1649,
0.0926

■ 8.2310, 0.1558,
0.0748

■ 7.0988, 0.1516,
0.0658

Harmonies

Analogous

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



69.6687, 0.2835, 0.3046



69.6687, 0.2938, 0.3009



69.6687, 0.3093, 0.3044

Triad

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



69.6687, 0.2938, 0.3009



69.6687, 0.3456, 0.3417



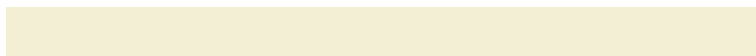
69.6687, 0.2990, 0.3447

Complementary

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



69.6687, 0.2938, 0.3009



85.4065, 0.3310, 0.3556

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.



69.6687, 0.3154, 0.3553



69.6687, 0.2938, 0.3009



69.6687, 0.3426, 0.3531

Square

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



69.6687, 0.2938, 0.3009



69.6687, 0.3395, 0.3275



69.6687, 0.3314, 0.3583



69.6687, 0.2865, 0.3297

Rectangle

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



69.6687, 0.2938, 0.3009



69.6687, 0.3206, 0.3102



69.6687, 0.3314, 0.3583



69.6687, 0.3043, 0.3489

Sweetspot

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



69.6716, 0.2938, 0.3009



92.4159, 0.3067, 0.3201



83.8437, 0.2963, 0.3325



19.4845, 0.3055, 0.3183



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.



69.6716, 0.2938, 0.3009



75.0858, 0.2903, 0.2956



69.8774, 0.3014, 0.2983



15.4901, 0.2980, 0.3071



3.9054, 0.1520, 0.0671



0.4117, 0.1563, 0.0826

Inverse Universe

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



71.4315, 0.3322, 0.3259



77.4058, 0.3361, 0.3254



85.2592, 0.3231, 0.3593



15.7852, 0.3277, 0.3266



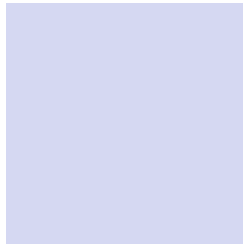
10.1876, 0.6280, 0.3233



0.8563, 0.6028, 0.3094

Previews

White Background



This preview shows how the Yxy color 69.6687, 0.2938, 0.3009 looks on a white background.

Color Contrast Check

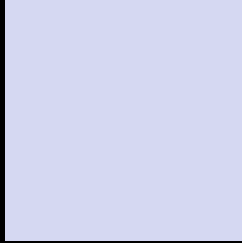
Large Text (above 18pt) WCAG AA × Fail

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 69.6687, 0.2938, 0.3009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

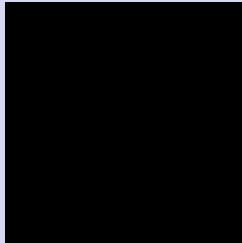
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.6687, 0.2938, 0.3009

Background



This preview shows how black text looks on a background with the Yxy color 69.6687, 0.2938, 0.3009.

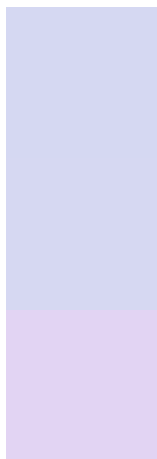


This preview shows how white text looks on a background with the Yxy color 69.6687, 0.2938, 0.3009.

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

69.6687, 0.2938, 0.3009

Protanopia

69.8187, 0.2944, 0.3009

Deuteranopia

69.7268, 0.3021, 0.2963



Tritanopia

69.5633, 0.2981, 0.3104

Trichromacy



Original Color

69.6687, 0.2938, 0.3009

Protanomaly

69.8187, 0.2944, 0.3009

Deuteranomaly

69.4317, 0.2986, 0.2970

Tritanomaly

69.7372, 0.2962, 0.3072

Monochromacy



Original Color

69.6687, 0.2938, 0.3009

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

69.7707, 0.3054, 0.3180

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.6687, 0.2938, 0.3009 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(213, 216, 242)` looks like.

```
.text, #text, p{  
    color:rgb(213, 216, 242)  
}
```

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(213, 216, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 216, 242) }
```

Border

The CSS property to change the border of an element to Yxy 69.6687, 0.2938, 0.3009 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(213, 216, 242) }
```

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

```
.border{ border-color:rgb(213, 216, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 216, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 216, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 216, 242);  
box-shadow:4px 4px 4px 4px rgb(213, 216,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 69.6687, 0.2938, 0.3009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 216, 242) }
```

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

```
.background{ background-color: rgb(213,  
216, 242) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor