

Converting Colors

Yxy(64.9672, 0.2959, 0.3013)

Have a look what the booklet for
Yxy(64.9672, 0.2959, 0.3013)
contains.

Yxy(65.0968, 0.2959, 0.3013)	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(65.0968, 0.2959, 0.3013)

Conversions

Conversions Part 1

Format	Color
Hex	D1D1EA
RGB	209, 209, 234
RGB Percent	82%, 82%, 92%
CMY	0.1807, 0.1803, 0.0824
CMYK	0.11, 0.11, 0.00, 0.08
HSL	240°, 37%, 87%
HSV	240°, 11%, 92%
XYZ	63.9301, 65.0968, 87.0262
YIQ	211.8500, -8.0250, 7.7750

Conversions

Conversions Part 2

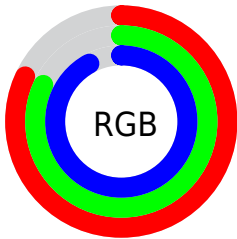
Format	Color
RYB	209, 209, 234
Decimal	13750762
CIELab	84.53, 4.75, -12.27
CIELCh	85, 13.160, 291.163
Yxy	65.0968, 0.2959, 0.3013
Android (android.graphics.Color)	4291940842 (0xFFD1D1EA)
YUV	211.8500, 10.9200, -2.4994
Hunter-Lab	80.6826, 0.2427, -7.4738

Details

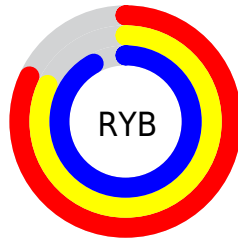
The Yxy color `65.0968, 0.2959, 0.3013` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `80.8748, 0.3287, 0.3553`, and the grayscale version is `65.6590, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `33.5271, 0.2916, 0.2955` is the 20% darker color. If you saturate the color by 10%, you get `51.3190, 0.2780, 0.2719`, and if you desaturate by 10%, it is `81.0549, 0.3117, 0.3273`.

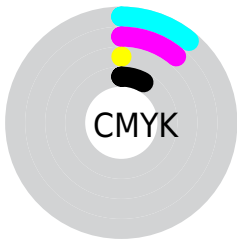
Distribution



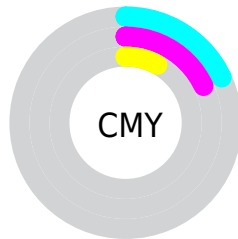
- Red (82%)
- Green (82%)
- Blue (92%)



- Red (82%)
- Yellow (82%)
- Blue (92%)



- Cyan (11%)
- Magenta (11%)
- Yellow (0%)
- Black (8%)



- Cyan (18%)
- Magenta (18%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.0968, 0.2959, 0.3013 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 65.0968, 0.2959, 0.3013 by changing the saturation by 10% instead.

■ 65.0968, 0.2959,
0.3013

■ 65.0968, 0.2959,
0.3013

443.1397, 0.3039,
0.3142

■ 47.5396, 0.2940,
0.2983

112.1890, 0.2987,
0.3058

■ 33.4624, 0.2917,
0.2947

142.4928, 0.2998,
0.3075

■ 22.4809, 0.2887,
0.2900

177.8142, 0.3007,
0.3090

■ 14.2107, 0.2848,
0.2838

218.5377, 0.3015,
0.3103

■ 8.2674, 0.2793,
0.2754

265.0476, 0.3022,
0.3115

■ 4.2665, 0.2711,
0.2632

317.7283, 0.3028,

■ 1.8237, 0.2579,

0.3125

0.2440

376.9642, 0.3034,
0.3134

0.5019, 0.2308,
0.1953

0.0000, 0.0000,
0.0000

65.0968, 0.2959,
0.3013

65.0968, 0.2959,
0.3013

51.3190, 0.2780,
0.2719

81.0549, 0.3117,
0.3273

39.6190, 0.2582,
0.2392

98.7197, 0.3250,
0.3493

29.8986, 0.2371,
0.2043

22.0484, 0.2154,
0.1685

■ 15.9483, 0.1947,
0.1343

■ 11.4644, 0.1766,
0.1043

■ 8.4432, 0.1627,
0.0812

■ 6.7021, 0.1540,
0.0667

■ 5.9588, 0.1501,
0.0602

Harmonies

Analogous

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



65.0968, 0.2849, 0.3040



65.0968, 0.2959, 0.3013



65.0968, 0.3116, 0.3057

Triad

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



65.0968, 0.2959, 0.3013



65.0968, 0.3453, 0.3433



65.0968, 0.2972, 0.3426

Complementary

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



65.0968, 0.2959, 0.3013



80.8748, 0.3287, 0.3553

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.



65.0968, 0.3131, 0.3540



65.0968, 0.2959, 0.3013



65.0968, 0.3411, 0.3539

Square

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



65.0968, 0.2959, 0.3013



65.0968, 0.3405, 0.3295



65.0968, 0.3292, 0.3580



65.0968, 0.2856, 0.3276

Rectangle

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



65.0968, 0.2959, 0.3013



65.0968, 0.3228, 0.3119



65.0968, 0.3292, 0.3580



65.0968, 0.3022, 0.3470

Sweetspot

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



65.0995, 0.2959, 0.3013



93.8112, 0.3082, 0.3216



78.2993, 0.2965, 0.3294



19.7344, 0.3070, 0.3196



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.



65.0995, 0.2959, 0.3013



74.9548, 0.2919, 0.2947



66.8867, 0.3045, 0.3019



14.5580, 0.2980, 0.3047



3.3530, 0.1501, 0.0602



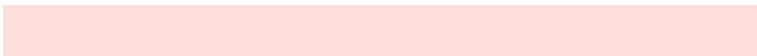
0.2665, 0.1503, 0.0609

Inverse Universe

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



67.6631, 0.3317, 0.3290



78.6954, 0.3365, 0.3289



78.9483, 0.3202, 0.3561



15.0550, 0.3292, 0.3290



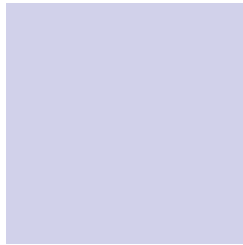
9.8313, 0.6397, 0.3297



0.7723, 0.6385, 0.3291

Previews

White Background



This preview shows how the Yxy color 65.0968, 0.2959, 0.3013 looks on a white background.

Color Contrast Check

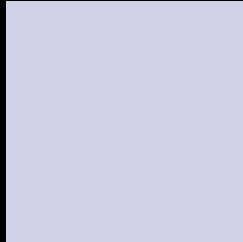
Large Text (above 18pt) WCAG AA × Fail

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 65.0968, 0.2959, 0.3013 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

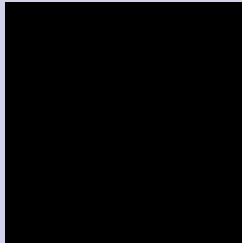
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.0968, 0.2959, 0.3013

Background



This preview shows how black text looks on a background with the Yxy color 65.0968, 0.2959, 0.3013.

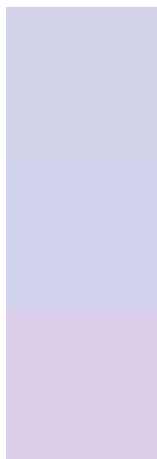


This preview shows how white text looks on a background with the Yxy color 65.0968, 0.2959, 0.3013.

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

65.0968, 0.2959, 0.3013

Protanopia

64.9513, 0.2952, 0.3012

Deuteranopia

64.8764, 0.3032, 0.2965



Tritanopia

65.0491, 0.2998, 0.3099

Trichromacy



Original Color

65.0968, 0.2959, 0.3013

Protanomaly

64.9513, 0.2952, 0.3012

Deuteranomaly

64.7397, 0.3002, 0.2973

Tritanomaly

65.2163, 0.2978, 0.3067

Monochromacy



Original Color

65.0968, 0.2959, 0.3013

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

65.6047, 0.3066, 0.3189

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.0968, 0.2959, 0.3013 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(209, 209, 234)` looks like.

```
.text, #text, p{  
    color:rgb(209, 209, 234)  
}
```

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(209, 209, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 209, 234) }
```

Border

The CSS property to change the border of an element to Yxy 65.0968, 0.2959, 0.3013 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(209, 209, 234) }
```

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

```
.border{ border-color:rgb(209, 209, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 209, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 209, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 209, 234);  
box-shadow:4px 4px 4px 4px rgb(209, 209,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 65.0968, 0.2959, 0.3013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 209, 234) }
```

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

```
.background{ background-color: rgb(209,  
209, 234) }
```

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