

Converting Colors

$Yxy(64.9623, 0.2907, 0.2966)$

Have a look what the booklet for
Yxy(64.9623, 0.2907, 0.2966)
contains.

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Color

Yxy(64.8958, 0.2913, 0.2968)

Conversions

Conversions Part 1

Format	Color
Hex	CED1EE
RGB	206, 209, 238
RGB Percent	81%, 82%, 93%
CMY	0.1920, 0.1804, 0.0666
CMYK	0.13, 0.12, 0.00, 0.07
HSL	234°, 48%, 87%
HSV	234°, 13%, 93%
XYZ	63.6932, 64.8958, 90.0626
YIQ	211.4090, -11.0970, 8.3830

Conversions

Conversions Part 2

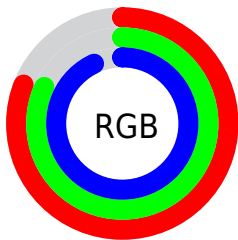
Format	Color
R _Y B	206, 209, 238
Decimal	13554158
CIE Lab	84.43, 4.66, -14.59
CIE LCh	84, 15.310, 287.704
Yxy	64.8958, 0.2913, 0.2968
Android (android.graphics.Color)	4291744238 (0xFFCED1EE)
YUV	211.4090, 13.1094, -4.7437
Hunter-Lab	80.5579, 0.1548, -9.8948

Details

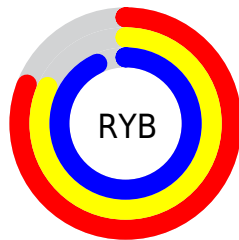
The Yxy color **64.8958, 0.2913, 0.2968** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **82.0768, 0.3332, 0.3593**, and the grayscale version is **65.3474, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **33.4955, 0.2865, 0.2898** is the 20% darker color. If you saturate the color by 10%, you get **51.8581, 0.2733, 0.2692**, and if you desaturate by 10%, it is **79.8908, 0.3076, 0.3213**.

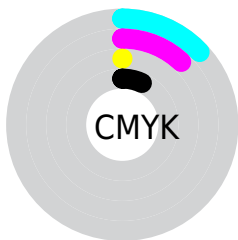
Distribution



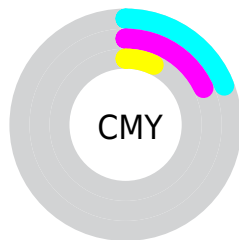
- Red (81%)
- Green (82%)
- Blue (93%)



- Red (81%)
- Yellow (82%)
- Blue (93%)



- Cyan (13%)
- Magenta (12%)
- Yellow (0%)
- Black (7%)



- Cyan (19%)
- Magenta (18%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.8958, 0.2913, 0.2968 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 64.8958, 0.2913, 0.2968 by changing the saturation by 10% instead.

■ 64.8958, 0.2913,
0.2968

■ 64.8958, 0.2913,
0.2968

442.4174, 0.3014,
0.3118

■ 47.3766, 0.2889,
0.2934

111.9000, 0.2949,
0.3020

■ 33.3335, 0.2860,
0.2891

142.1539, 0.2962,
0.3040

■ 22.3820, 0.2822,
0.2837

177.4213, 0.2974,
0.3058

■ 14.1379, 0.2772,
0.2766

218.0869, 0.2984,
0.3073

■ 8.2166, 0.2703,
0.2669

264.5348, 0.2993,
0.3086

■ 4.2339, 0.2602,
0.2529

317.1497, 0.3001,

■ 1.8052, 0.2438,

0.3098

0.2310

376.3157, 0.3008,
0.3109

■ 0.4904, 0.2107,
0.1782

■ 0.0000, 0.0000,
0.0000

■ 64.8958, 0.2913,
0.2968

■ 64.8958, 0.2913,
0.2968

■ 51.8581, 0.2733,
0.2692

■ 79.8908, 0.3076,
0.3213

■ 40.6890, 0.2537,
0.2388

■ 96.9108, 0.3220,
0.3427

■ 31.3053, 0.2331,
0.2063

■ 98.9535, 0.3226,
0.3454

■ 23.6139, 0.2124,
0.1729

■ 17.5137, 0.1929,
0.1406

■ 12.8925, 0.1759,
0.1116

■ 9.6232, 0.1629,
0.0881

■ 7.5571, 0.1546,
0.0717

■ 6.7500, 0.1514,
0.0650

Harmonies

Analogous

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



64.8958, 0.2794, 0.3007



64.8958, 0.2913, 0.2968



64.8958, 0.3092, 0.3010

Triad

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



64.8958, 0.2913, 0.2968



64.8958, 0.3506, 0.3438



64.8958, 0.2966, 0.3468

Complementary

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



64.8958, 0.2913, 0.2968



82.0768, 0.3332, 0.3593

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.



64.8958, 0.3153, 0.3592



64.8958, 0.2913, 0.2968



64.8958, 0.3469, 0.3568

Square

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



64.8958, 0.2913, 0.2968



64.8958, 0.3438, 0.3275



64.8958, 0.3338, 0.3628



64.8958, 0.2824, 0.3293

Rectangle

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



64.8958, 0.2913, 0.2968



64.8958, 0.3222, 0.3078



64.8958, 0.3338, 0.3628



64.8958, 0.3026, 0.3517

Sweetspot

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



64.8985, 0.2913, 0.2968



92.3536, 0.3067, 0.3200



80.2666, 0.2941, 0.3324



19.4688, 0.3055, 0.3182



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.



64.8985, 0.2913, 0.2968



71.6805, 0.2867, 0.2899



65.3631, 0.3003, 0.2944



15.4644, 0.2980, 0.3069



3.8456, 0.1517, 0.0662



0.3994, 0.1557, 0.0805

Inverse Universe

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



66.9389, 0.3352, 0.3259



74.5155, 0.3404, 0.3253



81.6534, 0.3240, 0.3632



15.7826, 0.3279, 0.3268



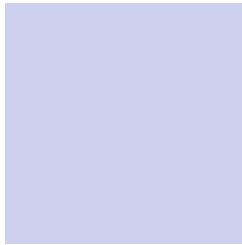
10.1816, 0.6295, 0.3242



0.8550, 0.6062, 0.3113

Previews

White Background



This preview shows how the Yxy color 64.8958, 0.2913, 0.2968 looks on a white background.

Color Contrast Check

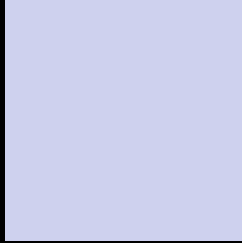
Large Text (above 18pt) WCAG AA × Fail

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 64.8958, 0.2913, 0.2968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

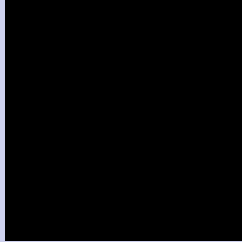
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.8958, 0.2913, 0.2968

Background



This preview shows how black text looks on a background with the Yxy color 64.8958, 0.2913, 0.2968.

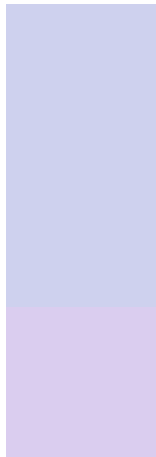


This preview shows how white text looks on a background with the Yxy color 64.8958, 0.2913, 0.2968.

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

64.8958, 0.2913, 0.2968

Protanopia

64.8958, 0.2913, 0.2968

Deuteranopia

64.8001, 0.2990, 0.2922



Tritanopia

64.9720, 0.2970, 0.3109

Trichromacy



Original Color

64.8958, 0.2913, 0.2968

Protanomaly

64.8958, 0.2913, 0.2968

Deuteranomaly

64.6707, 0.2962, 0.2930

Tritanomaly

64.8418, 0.2951, 0.3054

Monochromacy



Original Color

64.8958, 0.2913, 0.2968

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

64.8690, 0.3045, 0.3166

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.8958, 0.2913, 0.2968 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(206, 209, 238)` looks like.

```
.text, #text, p{  
    color:rgb(206, 209, 238)  
}
```

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(206, 209, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 209, 238) }
```

Border

The CSS property to change the border of an element to Yxy 64.8958, 0.2913, 0.2968 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(206, 209, 238) }
```

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

```
.border{ border-color:rgb(206, 209, 238) }
```

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

Here you see how a box with a 4 pixel rgb(206, 209, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 209, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 209, 238);  
box-shadow:4px 4px 4px 4px rgb(206, 209,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 64.8958, 0.2913, 0.2968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 209, 238) }
```

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

```
.background{ background-color: rgb(206,  
209, 238) }
```

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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