

Converting Colors

Yxy(68.9657, 0.2945, 0.3130)

Have a look what the booklet for
Yxy(68.9657, 0.2945, 0.3130)
contains.

Yxy(68.9481, 0.2946, 0.3134)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(68.9481, 0.2946, 0.3134)

Conversions

Conversions Part 1

Format	Color
Hex	CDDAE8
RGB	205, 218, 232
RGB Percent	80%, 85%, 91%
CMY	0.1961, 0.1451, 0.0902
CMYK	0.12, 0.06, 0.00, 0.09
HSL	211°, 37%, 86%
HSV	211°, 12%, 91%
XYZ	64.8121, 68.9481, 86.2401
YIQ	215.7090, -12.2420, 1.5980

Conversions

Conversions Part 2

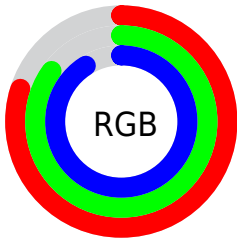
Format	Color
R _Y B	205, 214, 232
Decimal	13490920
CIE Lab	86.48, -1.63, -8.36
CIE LCh	86, 8.516, 258.993
Yxy	68.9481, 0.2946, 0.3134
Android (android.graphics.Color)	4291681000 (0xFFCDDAE8)
YUV	215.7090, 8.0315, -9.3918
Hunter-Lab	83.0350, -5.9849, -3.4541

Details

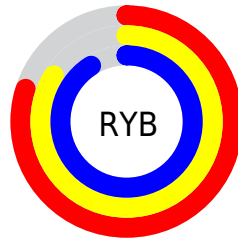
The Yxy color **68.9481, 0.2946, 0.3134** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.2225, 0.3318, 0.3441**, and the grayscale version is **68.4126, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.9083, 0.2909, 0.3100** is the 20% darker color. If you saturate the color by 10%, you get **59.8813, 0.2784, 0.2983**, and if you desaturate by 10%, it is **78.9622, 0.3102, 0.3269**.

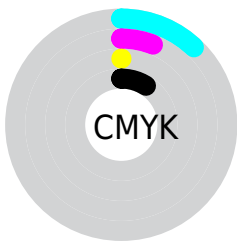
Distribution



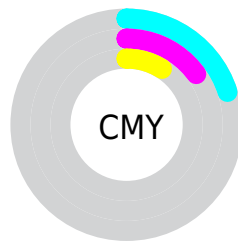
- Red (80%)
- Green (85%)
- Blue (91%)



- Red (80%)
- Yellow (84%)
- Blue (91%)



- Cyan (12%)
- Magenta (6%)
- Yellow (0%)
- Black (9%)



- Cyan (20%)
- Magenta (15%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.9481, 0.2946, 0.3134 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 68.9481, 0.2946, 0.3134 by changing the saturation by 10% instead.

■ 68.9481, 0.2946,
0.3134

■ 68.9481, 0.2946,
0.3134

456.8479, 0.3030,
0.3207

■ 50.6694, 0.2927,
0.3117

117.7074, 0.2975,
0.3160

■ 35.9456, 0.2903,
0.3096

148.9569, 0.2987,
0.3169

■ 24.3922, 0.2872,
0.3069

185.2988, 0.2997,
0.3178

■ 15.6248, 0.2832,
0.3034

227.1175, 0.3005,
0.3185

■ 9.2590, 0.2777,
0.2986

274.7973, 0.3013,
0.3192

■ 4.9105, 0.2697,
0.2914

328.7227, 0.3019,

■ 2.1949, 0.2570,

0.3197

0.2801

389.2781, 0.3025,
0.3203

0.7172, 0.2307,
0.2577

0.0000, 0.0000,
0.0000

68.9481, 0.2946,
0.3134

68.9481, 0.2946,
0.3134

59.8813, 0.2784,
0.2983

78.9622, 0.3102,
0.3269

51.7222, 0.2618,
0.2817

89.9443, 0.3251,
0.3389

44.4408, 0.2453,
0.2637

98.0179, 0.3263,
0.3504

38.0018, 0.2292,
0.2445

98.6066, 0.3262,
0.3513

■ 32.3673, 0.2142,
0.2244

■ 27.4955, 0.2008,
0.2040

■ 23.3396, 0.1894,
0.1838

■ 19.8452, 0.1805,
0.1645

■ 17.3664, 0.1748,
0.1493

Harmonies

Analogous

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



68.9481, 0.2926, 0.3198



68.9481, 0.2946, 0.3134



68.9481, 0.3014, 0.3112

Triad

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



68.9481, 0.2946, 0.3134



68.9481, 0.3299, 0.3288



68.9481, 0.3138, 0.3450

Complementary

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



68.9481, 0.2946, 0.3134



72.2225, 0.3318, 0.3441

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.



68.9481, 0.3239, 0.3473



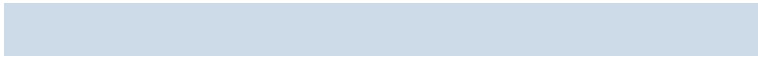
68.9481, 0.2946, 0.3134



68.9481, 0.3333, 0.3377

Square

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



68.9481, 0.2946, 0.3134



68.9481, 0.3218, 0.3200



68.9481, 0.3311, 0.3445



68.9481, 0.3036, 0.3382

Rectangle

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



68.9481, 0.2946, 0.3134



68.9481, 0.3078, 0.3124



68.9481, 0.3311, 0.3445



68.9481, 0.3174, 0.3463

Sweetspot

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



68.9510, 0.2946, 0.3134



96.0745, 0.3081, 0.3252



75.8066, 0.3027, 0.3435



20.3433, 0.3069, 0.3241



0.0000, 0.0000, 0.0000



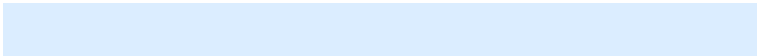
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.9510, 0.2946, 0.3134



82.6059, 0.2907, 0.3099



62.5271, 0.2946, 0.2986



15.0273, 0.2981, 0.3165



9.8901, 0.1756, 0.1522



0.9161, 0.1831, 0.1792

Inverse Universe

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



65.8777, 0.3240, 0.3150



78.1650, 0.3267, 0.3120



79.2060, 0.3298, 0.3577



14.4831, 0.3217, 0.3177



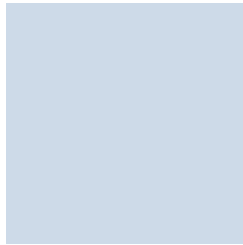
10.1961, 0.5031, 0.2545



0.7722, 0.4695, 0.2360

Previews

White Background



This preview shows how the Yxy color 68.9481, 0.2946, 0.3134 looks on a white background.

Color Contrast Check

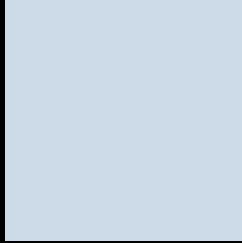
Large Text (above 18pt) WCAG AA × Fail

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 68.9481, 0.2946, 0.3134 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

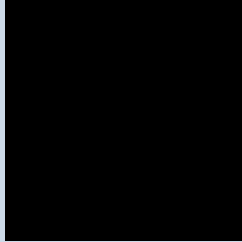
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

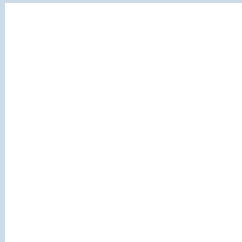
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.9481, 0.2946, 0.3134

Background



This preview shows how black text looks on a background with the Yxy color 68.9481, 0.2946, 0.3134.

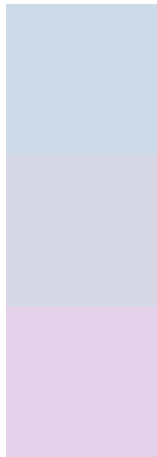


This preview shows how white text looks on a background with the Yxy color 68.9481, 0.2946, 0.3134.

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

68.9481, 0.2946, 0.3134

Protanopia

68.9130, 0.3035, 0.3126

Deuteranopia

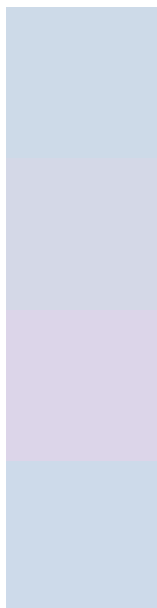
68.6917, 0.3103, 0.3035



Tritanopia

69.1201, 0.2928, 0.3101

Trichromacy



Original Color

68.9481, 0.2946, 0.3134

Protanomaly

68.8783, 0.3000, 0.3125

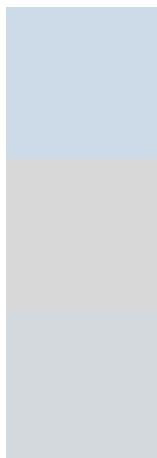
Deuteranomaly

68.6873, 0.3044, 0.3074

Tritanomaly

69.0625, 0.2934, 0.3112

Monochromacy



Original Color

68.9481, 0.2946, 0.3134

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

68.8967, 0.3058, 0.3234

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.9481, 0.2946, 0.3134 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(205, 218, 232)` looks like.

```
.text, #text, p{  
    color:rgb(205, 218, 232)  
}
```

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(205, 218, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 218, 232) }
```

Border

The CSS property to change the border of an element to Yxy 68.9481, 0.2946, 0.3134 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(205, 218, 232) }
```

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

```
.border{ border-color:rgb(205, 218, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 218, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 218, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 218, 232);  
box-shadow:4px 4px 4px 4px rgb(205, 218,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 68.9481, 0.2946, 0.3134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 218, 232) }
```

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

```
.background{ background-color: rgb(205,  
218, 232) }
```

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