

Converting Colors

$Yxy(68.6052, 0.3035, 0.3202)$

Have a look what the booklet for
Yxy(68.6052, 0.3035, 0.3202)
contains.

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Color

Yxy(68.8564, 0.3038, 0.3212)

Conversions

Conversions Part 1

Format	Color
Hex	D3D9E0
RGB	211, 217, 224
RGB Percent	83%, 85%, 88%
CMY	0.1727, 0.1490, 0.1215
CMYK	0.06, 0.03, 0.00, 0.12
HSL	212°, 17%, 85%
HSV	212°, 6%, 88%
XYZ	65.1263, 68.8564, 80.3896
YIQ	216.0040, -5.8230, 0.9050

Conversions

Conversions Part 2

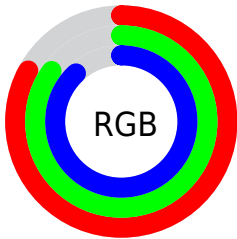
Format	Color
R _Y B	211, 215, 224
Decimal	13883872
CIE Lab	86.43, -0.72, -4.15
CIE LCh	86, 4.217, 260.169
Yxy	68.8564, 0.3038, 0.3212
Android (android.graphics.Color)	4292073952 (0xFFD3D9E0)
YUV	216.0040, 3.9420, -4.3885
Hunter-Lab	82.9798, -5.1196, 0.6465

Details

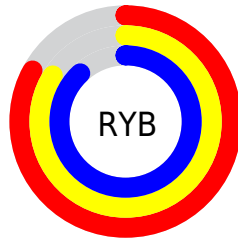
The Yxy color **68.8564, 0.3038, 0.3212** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.6811, 0.3218, 0.3367**, and the grayscale version is **68.6472, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.7732, 0.3011, 0.3188** is the 20% darker color. If you saturate the color by 10%, you get **59.8022, 0.2879, 0.3065**, and if you desaturate by 10%, it is **78.8293, 0.3189, 0.3343**.

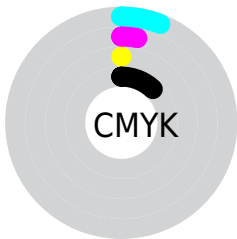
Distribution



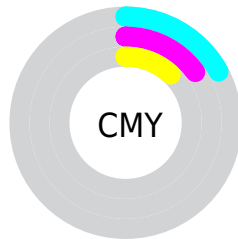
- Red (83%)
- Green (85%)
- Blue (88%)



- Red (83%)
- Yellow (84%)
- Blue (88%)



- Cyan (6%)
- Magenta (3%)
- Yellow (0%)
- Black (12%)



- Cyan (17%)
- Magenta (15%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.8564, 0.3038, 0.3212 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 68.8564, 0.3038, 0.3212 by changing the saturation by 10% instead.

■ 68.8564, 0.3038,
0.3212

■ 68.8564, 0.3038,
0.3212

456.5243, 0.3080,
0.3249

■ 50.5948, 0.3028,
0.3204

117.5764, 0.3053,
0.3225

■ 35.8862, 0.3016,
0.3193

148.8037, 0.3058,
0.3230

■ 24.3463, 0.3001,
0.3180

185.1215, 0.3063,
0.3234

■ 15.5907, 0.2981,
0.3162

226.9144, 0.3067,
0.3238

■ 9.2350, 0.2954,
0.3137

274.5668, 0.3071,
0.3241

■ 4.8948, 0.2913,
0.3101

328.4629, 0.3074,

■ 2.1857, 0.2848,

0.3244

0.3043

388.9873, 0.3077,
0.3246

0.7122, 0.2701,
0.2918

0.0000, 0.0000,
0.0000

68.8564, 0.3038,
0.3212

68.8564, 0.3038,
0.3212

59.8022, 0.2879,
0.3065

78.8293, 0.3189,
0.3343

51.6296, 0.2714,
0.2903

89.5923, 0.3326,
0.3459

44.3111, 0.2547,
0.2724

96.9517, 0.3312,
0.3573

37.8148, 0.2381,
0.2532

98.1627, 0.3309,
0.3591

■ 32.1062, 0.2222,
0.2329

■ 27.1479, 0.2075,
0.2119

■ 22.8987, 0.1946,
0.1909

■ 19.3118, 0.1840,
0.1704

■ 16.3318, 0.1760,
0.1512

Harmonies

Analogous

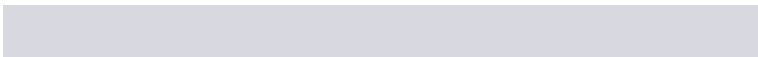
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.8564, 0.3027, 0.3244



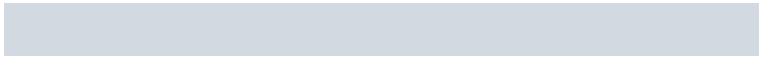
68.8564, 0.3038, 0.3212



68.8564, 0.3073, 0.3201

Triad

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



68.8564, 0.3038, 0.3212



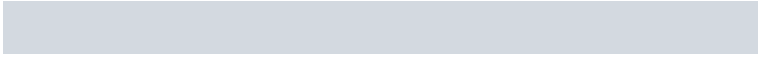
68.8564, 0.3213, 0.3291



68.8564, 0.3131, 0.3368

Complementary

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



68.8564, 0.3038, 0.3212



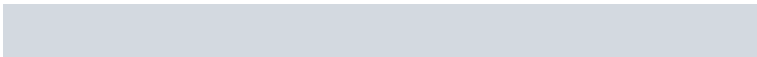
70.6811, 0.3218, 0.3367

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.



68.8564, 0.3181, 0.3380



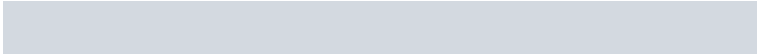
68.8564, 0.3038, 0.3212



68.8564, 0.3229, 0.3336

Square

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



68.8564, 0.3038, 0.3212



68.8564, 0.3174, 0.3247



68.8564, 0.3217, 0.3368



68.8564, 0.3080, 0.3334

Rectangle

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



68.8564, 0.3038, 0.3212



68.8564, 0.3105, 0.3208



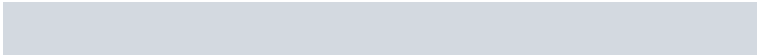
68.8564, 0.3217, 0.3368



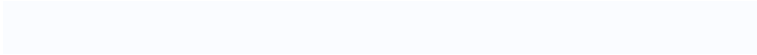
68.8564, 0.3149, 0.3375

Sweetspot

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



68.8593, 0.3038, 0.3212



97.3110, 0.3097, 0.3264



72.2228, 0.3076, 0.3357



20.8568, 0.3098, 0.3265



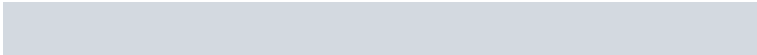
0.0000, 0.0000, 0.0000



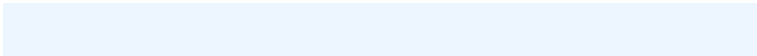
21.4041, 0.3127, 0.3290

Same Dimension

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



68.8593, 0.3038, 0.3212



90.8077, 0.3019, 0.3195



65.8654, 0.3042, 0.3144



14.6662, 0.3011, 0.3188



9.0903, 0.1740, 0.1463



0.8079, 0.1821, 0.1755

Inverse Universe

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



67.4341, 0.3182, 0.3224



88.5333, 0.3195, 0.3210



73.8022, 0.3210, 0.3432



14.2726, 0.3200, 0.3204



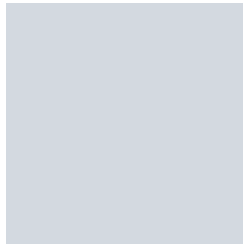
9.8257, 0.5107, 0.2587



0.6990, 0.4739, 0.2384

Previews

White Background



This preview shows how the Yxy color 68.8564, 0.3038, 0.3212 looks on a white background.

Color Contrast Check

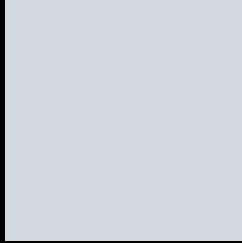
Large Text (above 18pt) WCAG AA × Fail

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 68.8564, 0.3038, 0.3212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

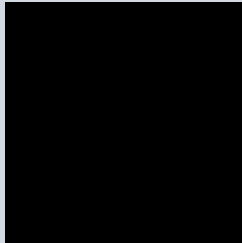
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

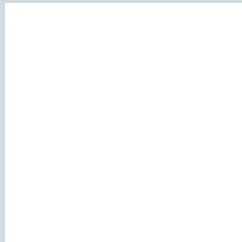
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.8564, 0.3038, 0.3212

Background



This preview shows how black text looks on a background with the Yxy color 68.8564, 0.3038, 0.3212.

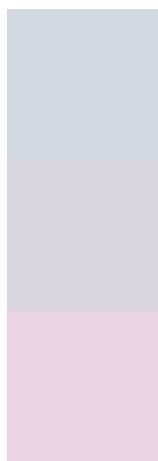


This preview shows how white text looks on a background with the Yxy color 68.8564, 0.3038, 0.3212.

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

68.8564, 0.3038, 0.3212

Protanopia

68.8340, 0.3095, 0.3202

Deuteranopia

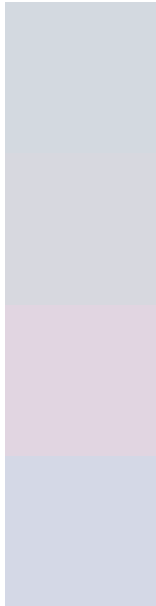
68.8531, 0.3194, 0.3131



Tritanopia

68.9920, 0.2987, 0.3103

Trichromacy



Original Color

68.8564, 0.3038, 0.3212

Protanomaly

68.8865, 0.3073, 0.3213

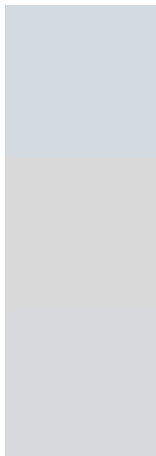
Deuteranomaly

69.0323, 0.3133, 0.3161

Tritanomaly

68.8220, 0.3007, 0.3136

Monochromacy



Original Color

68.8564, 0.3038, 0.3212

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

68.5223, 0.3093, 0.3257

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.8564, 0.3038, 0.3212 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(211, 217, 224)` looks like.

```
.text, #text, p{  
    color:rgb(211, 217, 224)  
}
```

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(211, 217, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 217, 224) }
```

Border

The CSS property to change the border of an element to Yxy 68.8564, 0.3038, 0.3212 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(211, 217, 224) }
```

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

```
.border{ border-color:rgb(211, 217, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 217, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 217, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 217, 224);  
box-shadow:4px 4px 4px 4px rgb(211, 217,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 68.8564, 0.3038, 0.3212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 217, 224) }
```

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

```
.background{ background-color: rgb(211,  
217, 224) }
```

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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