

Converting Colors

Yxy(65.0109, 0.3069, 0.3198)

Have a look what the booklet for
Yxy(65.0109, 0.3069, 0.3198)
contains.

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Color

Yxy(64.8568, 0.3072, 0.3200)

Conversions

Conversions Part 1

Format	Color
Hex	D2D2DA
RGB	210, 210, 218
RGB Percent	82%, 82%, 85%
CMY	0.1768, 0.1764, 0.1451
CMYK	0.04, 0.04, 0.00, 0.15
HSL	239°, 10%, 84%
HSV	239°, 4%, 85%
XYZ	62.2625, 64.8568, 75.5582
YIQ	210.9120, -2.5680, 2.4880

Conversions

Conversions Part 2

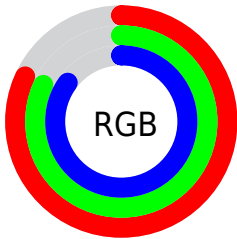
Format	Color
R _Y B	210, 210, 218
Decimal	13816538
CIE Lab	84.41, 1.44, -3.95
CIE LCh	84, 4.201, 290.069
Yxy	64.8568, 0.3072, 0.3200
Android (android.graphics.Color)	4292006618 (0xFFD2D2DA)
YUV	210.9120, 3.4944, -0.7998
Hunter-Lab	80.5337, -2.9314, 0.7467

Details

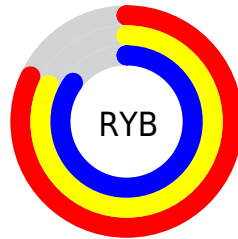
The Yxy color **64.8568, 0.3072, 0.3200** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.6369, 0.3181, 0.3378**, and the grayscale version is **65.0528, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **33.4892, 0.3064, 0.3186** is the 20% darker color. If you saturate the color by 10%, you get **51.9529, 0.2909, 0.2933**, and if you desaturate by 10%, it is **79.6309, 0.3215, 0.3433**.

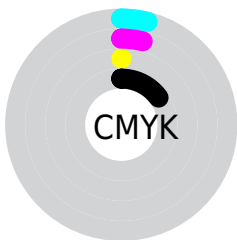
Distribution



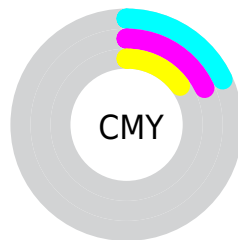
- Red (82%)
- Green (82%)
- Blue (85%)



- Red (82%)
- Yellow (82%)
- Blue (85%)



- Cyan (4%)
- Magenta (4%)
- Yellow (0%)
- Black (15%)



- Cyan (18%)
- Magenta (18%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.8568, 0.3072, 0.3200 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 64.8568, 0.3072, 0.3200 by changing the saturation by 10% instead.

■ 64.8568, 0.3072,
0.3200

■ 64.8568, 0.3072,
0.3200

442.2772, 0.3098,
0.3242

■ 47.3450, 0.3066,
0.3190

111.8440, 0.3081,
0.3215

■ 33.3085, 0.3058,
0.3178

142.0881, 0.3085,
0.3221

■ 22.3628, 0.3048,
0.3162

177.3451, 0.3088,
0.3226

■ 14.1238, 0.3035,
0.3141

217.9994, 0.3090,
0.3230

■ 8.2068, 0.3017,
0.3112

264.4353, 0.3093,
0.3234

■ 4.2276, 0.2990,
0.3069

317.0373, 0.3095,

■ 1.8017, 0.2944,

0.3237

0.2998

376.1898, 0.3097,
0.3240

0.4882, 0.2781,
0.2720

0.0000, 0.0000,
0.0000

64.8568, 0.3072,
0.3200

64.8568, 0.3072,
0.3200

51.9529, 0.2909,
0.2933

79.6309, 0.3215,
0.3433

40.8369, 0.2725,
0.2633

96.3370, 0.3338,
0.3634

31.4325, 0.2524,
0.2304

97.8414, 0.3346,
0.3651

23.6545, 0.2312,
0.1954

■ 17.4110, 0.2098,
0.1602

■ 12.6003, 0.1898,
0.1270

■ 9.1088, 0.1728,
0.0987

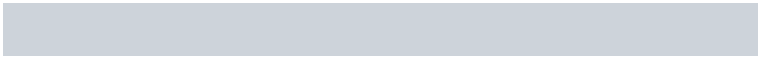
■ 6.8058, 0.1601,
0.0776

■ 5.5335, 0.1527,
0.0649

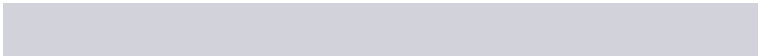
Harmonies

Analogous

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



64.8568, 0.3036, 0.3211



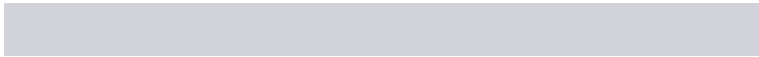
64.8568, 0.3072, 0.3200



64.8568, 0.3123, 0.3213

Triad

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



64.8568, 0.3072, 0.3200



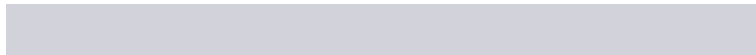
64.8568, 0.3231, 0.3336



64.8568, 0.3080, 0.3335

Complementary

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



64.8568, 0.3072, 0.3200



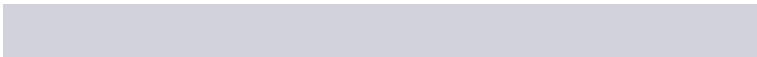
69.6369, 0.3181, 0.3378

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.



64.8568, 0.3131, 0.3369



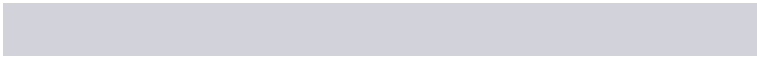
64.8568, 0.3072, 0.3200



64.8568, 0.3219, 0.3369

Square

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



64.8568, 0.3072, 0.3200



64.8568, 0.3214, 0.3291



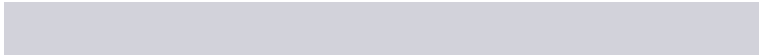
64.8568, 0.3182, 0.3382



64.8568, 0.3041, 0.3288

Rectangle

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



64.8568, 0.3072, 0.3200



64.8568, 0.3158, 0.3233



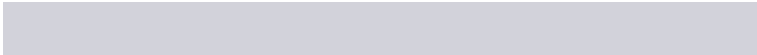
64.8568, 0.3182, 0.3382



64.8568, 0.3096, 0.3348

Sweetspot

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



64.8596, 0.3072, 0.3200



97.9239, 0.3112, 0.3266



68.8822, 0.3071, 0.3291



20.9816, 0.3113, 0.3267



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.



64.8596, 0.3072, 0.3200



91.8592, 0.3067, 0.3192



65.3875, 0.3101, 0.3200



14.0198, 0.3056, 0.3174



3.0807, 0.1503, 0.0609



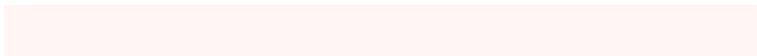
0.2092, 0.1510, 0.0635

Inverse Universe

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



65.6149, 0.3187, 0.3289



93.0322, 0.3192, 0.3289



69.0965, 0.3153, 0.3380



14.2313, 0.3204, 0.3289



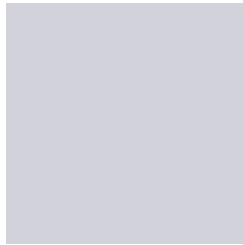
8.9348, 0.6386, 0.3292



0.5798, 0.6342, 0.3267

Previews

White Background



This preview shows how the Yxy color 64.8568, 0.3072, 0.3200 looks on a white background.

Color Contrast Check

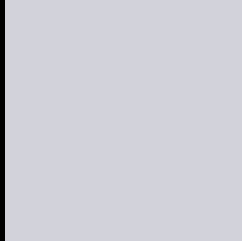
Large Text (above 18pt) WCAG AA × Fail

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 64.8568, 0.3072, 0.3200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

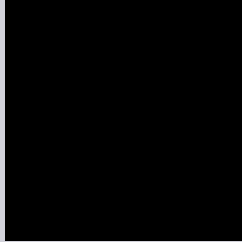
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

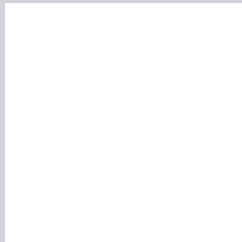
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.8568, 0.3072, 0.3200

Background



This preview shows how black text looks on a background with the Yxy color 64.8568, 0.3072, 0.3200.

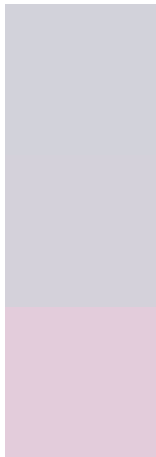


This preview shows how white text looks on a background with the Yxy color 64.8568, 0.3072, 0.3200.

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

64.8568, 0.3072, 0.3200

Protanopia

64.6599, 0.3087, 0.3189

Deuteranopia

64.6311, 0.3196, 0.3127



Tritanopia

64.8861, 0.3033, 0.3111

Trichromacy



Original Color

64.8568, 0.3072, 0.3200

Protanomaly

64.5118, 0.3080, 0.3188

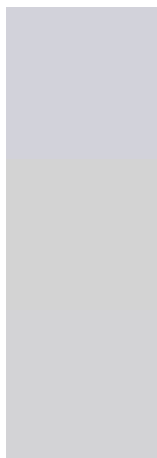
Deuteranomaly

64.6292, 0.3149, 0.3147

Tritanomaly

64.7237, 0.3053, 0.3144

Monochromacy



Original Color

64.8568, 0.3072, 0.3200

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

65.2925, 0.3107, 0.3256

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.8568, 0.3072, 0.3200 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(210, 210, 218)` looks like.

```
.text, #text, p{  
    color:rgb(210, 210, 218)  
}
```

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(210, 210, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 210, 218) }
```

Border

The CSS property to change the border of an element to Yxy 64.8568, 0.3072, 0.3200 is called "border". The border property can be set on classes, ids or directly on the HTML element.

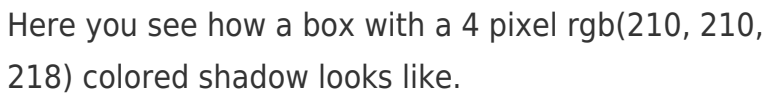
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(210, 210, 218) }
```

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

```
.border{ border-color:rgb(210, 210, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(210, 210, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(210, 210, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(210, 210, 218); box-shadow:4px 4px 4px 4px rgb(210, 210, 218) }
```


Background

The CSS property to change the background color of an element to Yxy 64.8568, 0.3072, 0.3200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 210, 218) }
```

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

```
.background{ background-color: rgb(210,  
210, 218) }
```

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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