

Converting Colors

$Yxy(64.3774, 0.3040, 0.3236)$

Have a look what the booklet for
Yxy(64.3774, 0.3040, 0.3236)
contains.

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Color

Yxy(64.3838, 0.3042, 0.3233)

Conversions

Conversions Part 1

Format	Color
Hex	CCD3D8
RGB	204, 211, 216
RGB Percent	80%, 83%, 85%
CMY	0.2001, 0.1725, 0.1530
CMYK	0.06, 0.02, 0.00, 0.15
HSL	205°, 13%, 82%
HSV	205°, 6%, 85%
XYZ	60.5801, 64.3838, 74.1818
YIQ	209.4770, -5.7770, 0.0710

Conversions

Conversions Part 2

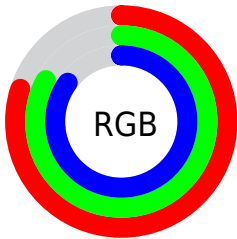
Format	Color
RYB	204, 208, 216
Decimal	13423576
CIELab	84.17, -1.45, -3.29
CIELCh	84, 3.592, 246.183
Yxy	64.3838, 0.3042, 0.3233
Android (android.graphics.Color)	4291613656 (0xFFCCD3D8)
YUV	209.4770, 3.2158, -4.8033
Hunter-Lab	80.2395, -5.6532, 1.3538

Details

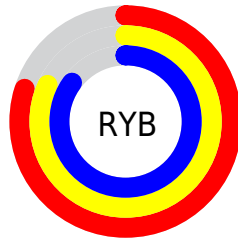
The Yxy color **64.3838, 0.3042, 0.3233** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.5138, 0.3215, 0.3346**, and the grayscale version is **64.0669, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **33.1712, 0.3024, 0.3229** is the 20% darker color. If you saturate the color by 10%, you get **57.2381, 0.2886, 0.3122**, and if you desaturate by 10%, it is **72.2036, 0.3194, 0.3333**.

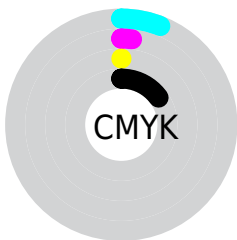
Distribution



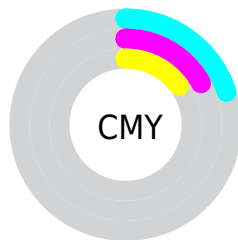
- Red (80%)
- Green (83%)
- Blue (85%)



- Red (80%)
- Yellow (82%)
- Blue (85%)



- Cyan (6%)
- Magenta (2%)
- Yellow (0%)
- Black (15%)



- Cyan (20%)
- Magenta (17%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.3838, 0.3042, 0.3233 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 64.3838, 0.3042, 0.3233 by changing the saturation by 10% instead.

■ 64.3838, 0.3042,
0.3233

■ 64.3838, 0.3042,
0.3233

440.5743, 0.3082,
0.3260

■ 46.9616, 0.3033,
0.3227

111.1635, 0.3056,
0.3243

■ 33.0053, 0.3021,
0.3219

141.2898, 0.3062,
0.3246

■ 22.1305, 0.3006,
0.3208

176.4195, 0.3066,
0.3249

■ 13.9528, 0.2986,
0.3195

216.9371, 0.3070,
0.3252

■ 8.0879, 0.2958,
0.3175

263.2270, 0.3074,
0.3255

■ 4.1512, 0.2916,
0.3147

315.6736, 0.3077,

■ 1.7585, 0.2847,

0.3257

0.3098

374.6612, 0.3080,
0.3258

0.4611, 0.2524,
0.2890

0.0000, 0.0000,
0.0000

64.3838, 0.3042,
0.3233

64.3838, 0.3042,
0.3233

57.2381, 0.2886,
0.3122

72.2036, 0.3194,
0.3333

50.7369, 0.2728,
0.2999

80.7094, 0.3340,
0.3422

44.8606, 0.2571,
0.2864

87.2203, 0.3383,
0.3507

39.5850, 0.2419,
0.2720

92.5308, 0.3370,
0.3593

■ 34.8842, 0.2277,
0.2567

■ 97.7365, 0.3358,
0.3671

■ 30.7298, 0.2148,
0.2409

■ 27.0902, 0.2036,
0.2248

■ 23.9294, 0.1946,
0.2088

■ 21.2038, 0.1877,
0.1932

Harmonies

Analogous

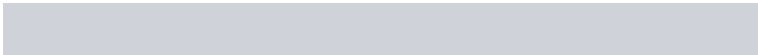
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



64.3838, 0.3043, 0.3267



64.3838, 0.3042, 0.3233



64.3838, 0.3064, 0.3215

Triad

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



64.3838, 0.3042, 0.3233



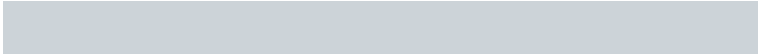
64.3838, 0.3188, 0.3272



64.3838, 0.3152, 0.3365

Complementary

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



64.3838, 0.3042, 0.3233



64.5138, 0.3215, 0.3346

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.



64.3838, 0.3191, 0.3366



64.3838, 0.3042, 0.3233



64.3838, 0.3212, 0.3312

Square

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



64.3838, 0.3042, 0.3233



64.3838, 0.3148, 0.3237



64.3838, 0.3213, 0.3347



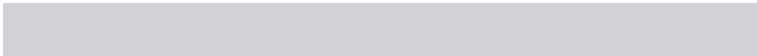
64.3838, 0.3106, 0.3344

Rectangle

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



64.3838, 0.3042, 0.3233



64.3838, 0.3088, 0.3213



64.3838, 0.3213, 0.3347



64.3838, 0.3166, 0.3368

Sweetspot

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



64.3865, 0.3042, 0.3233



97.7104, 0.3096, 0.3270



66.5227, 0.3089, 0.3373



20.9381, 0.3098, 0.3271



0.0000, 0.0000, 0.0000



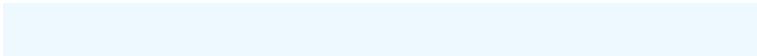
21.4041, 0.3127, 0.3290

Same Dimension

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



64.3865, 0.3042, 0.3233



92.1613, 0.3019, 0.3217



61.5299, 0.3043, 0.3165



13.5033, 0.3011, 0.3212



12.1185, 0.1858, 0.1887



0.8923, 0.1932, 0.2154

Inverse Universe

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



62.4672, 0.3169, 0.3211



88.6700, 0.3181, 0.3189



67.4383, 0.3210, 0.3412



12.9579, 0.3185, 0.3182



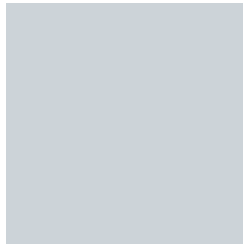
9.5682, 0.4582, 0.2298



0.5934, 0.4282, 0.2132

Previews

White Background



This preview shows how the Yxy color 64.3838, 0.3042, 0.3233 looks on a white background.

Color Contrast Check

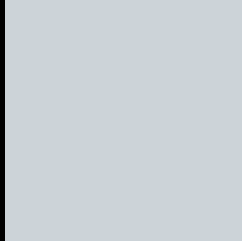
Large Text (above 18pt) WCAG AA × Fail

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 64.3838, 0.3042, 0.3233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

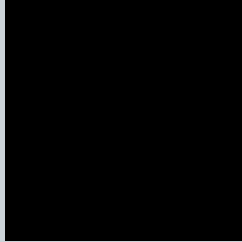
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

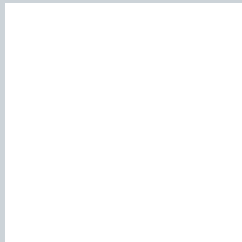
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.3838, 0.3042, 0.3233

Background



This preview shows how black text looks on a background with the Yxy color 64.3838, 0.3042, 0.3233.

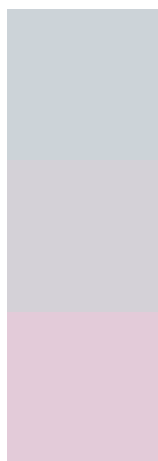


This preview shows how white text looks on a background with the Yxy color 64.3838, 0.3042, 0.3233.

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

64.3838, 0.3042, 0.3233

Protanopia

64.5043, 0.3108, 0.3222

Deuteranopia

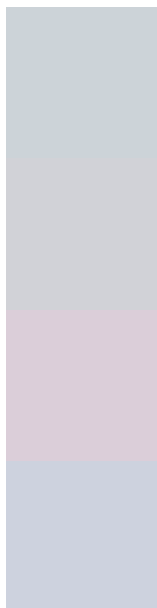
64.0525, 0.3211, 0.3137



Tritanopia

64.2137, 0.2990, 0.3098

Trichromacy



Original Color

64.3838, 0.3042, 0.3233

Protanomaly

64.5548, 0.3086, 0.3233

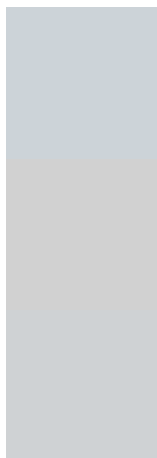
Deuteranomaly

64.2124, 0.3148, 0.3168

Tritanomaly

64.3462, 0.3010, 0.3154

Monochromacy



Original Color

64.3838, 0.3042, 0.3233

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

64.1121, 0.3091, 0.3267

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.3838, 0.3042, 0.3233 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(204, 211, 216)` looks like.

```
.text, #text, p{  
    color:rgb(204, 211, 216)  
}
```

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(204, 211, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 211, 216) }
```

Border

The CSS property to change the border of an element to Yxy 64.3838, 0.3042, 0.3233 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(204, 211, 216) }
```

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

```
.border{ border-color:rgb(204, 211, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 211, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 211, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 211, 216);  
box-shadow:4px 4px 4px 4px rgb(204, 211,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 64.3838, 0.3042, 0.3233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 211, 216) }
```

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

```
.background{ background-color: rgb(204,  
211, 216) }
```

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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