

Converting Colors

$Y_{xy}(58.8102, 0.3117, 0.3225)$

Have a look what the booklet for
Yxy(58.8102, 0.3117, 0.3225)
contains.

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Color

Yxy(58.6022, 0.3115, 0.3220)

Conversions

Conversions Part 1

Format	Color
Hex	CCC8CE
RGB	204, 200, 206
RGB Percent	80%, 78%, 81%
CMY	0.2001, 0.2156, 0.1922
CMYK	0.01, 0.03, 0.00, 0.19
HSL	280°, 6%, 80%
HSV	280°, 3%, 81%
XYZ	56.6913, 58.6022, 66.7010
YIQ	201.8800, 0.4580, 2.7140

Conversions

Conversions Part 2

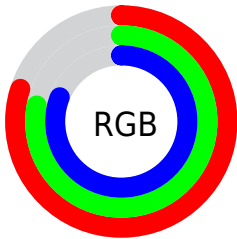
Format	Color
RYB	204, 200, 206
Decimal	13420750
CIELab	81.07, 2.47, -2.49
CIELCh	81, 3.508, 314.725
Yxy	58.6022, 0.3115, 0.3220
Android (android.graphics.Color)	4291610830 (0xFFCCC8CE)
YUV	201.8800, 2.0312, 1.8592
Hunter-Lab	76.5521, -1.7765, 1.9262

Details

The Yxy color **58.6022, 0.3115, 0.3220** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **60.8598, 0.3139, 0.3360**, and the grayscale version is **58.9704, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **29.3088, 0.3111, 0.3196** is the 20% darker color. If you saturate the color by 10%, you get **48.7466, 0.3068, 0.2967**, and if you desaturate by 10%, it is **69.7911, 0.3154, 0.3455**.

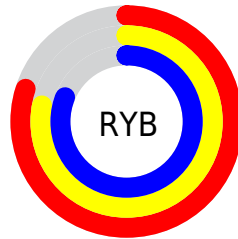
Distribution



Red (80%)

Green (78%)

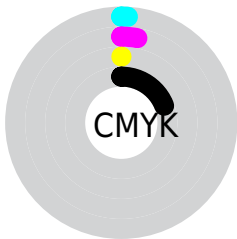
Blue (81%)



Red (80%)

Yellow (78%)

Blue (81%)

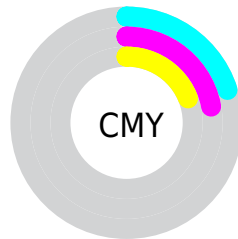


Cyan (1%)

Magenta (3%)

Yellow (0%)

Black (19%)



Cyan (20%)

Magenta (22%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.6022, 0.3115, 0.3220 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 58.6022, 0.3115, 0.3220 by changing the saturation by 10% instead.

■ 58.6022, 0.3115,
0.3220

■ 58.6022, 0.3115,
0.3220

419.4261, 0.3121,
0.3254

■ 42.2930, 0.3114,
0.3212

102.7993, 0.3117,
0.3232

■ 29.3308, 0.3112,
0.3202

131.4559, 0.3118,
0.3236

■ 19.3312, 0.3109,
0.3189

164.9972, 0.3119,
0.3240

■ 11.9098, 0.3106,
0.3172

203.8074, 0.3119,
0.3244

■ 6.6823, 0.3101,
0.3147

248.2710, 0.3120,
0.3247

■ 3.2642, 0.3094,
0.3109

298.7724, 0.3120,

■ 1.2712, 0.3081,

0.3249

0.3044

355.6960, 0.3121,
0.3252

■ 0.1187, 0.2908,
0.1994

■ 0.0000, 0.0000,
0.0000

■ 58.6022, 0.3115,
0.3220

■ 58.6022, 0.3115,
0.3220

■ 48.7466, 0.3068,
0.2967

■ 69.7911, 0.3154,
0.3455

■ 40.1652, 0.3012,
0.2700

■ 82.3545, 0.3187,
0.3671

■ 32.8054, 0.2947,
0.2425

■ 91.9217, 0.3219,
0.3802

■ 26.6084, 0.2874,
0.2149

■ 93.0471, 0.3263,
0.3795

■ 21.5099, 0.2792,
0.1882

■ 94.2175, 0.3308,
0.3788

■ 17.4396, 0.2705,
0.1638

■ 95.4334, 0.3353,
0.3781

■ 14.3187, 0.2614,
0.1428

■ 96.6953, 0.3399,
0.3774

■ 12.0567, 0.2524,
0.1261

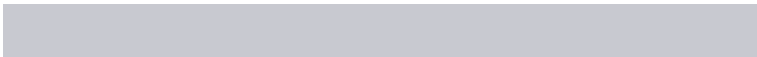
■ 97.2352, 0.3418,
0.3771

■ 10.5447, 0.2436,
0.1143

Harmonies

Analogous

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



58.6022, 0.3073, 0.3212



58.6022, 0.3115, 0.3220



58.6022, 0.3161, 0.3246

Triad

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



58.6022, 0.3115, 0.3220



58.6022, 0.3210, 0.3355



58.6022, 0.3057, 0.3296

Complementary

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



58.6022, 0.3115, 0.3220



60.8598, 0.3139, 0.3360

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.



58.6022, 0.3094, 0.3335



58.6022, 0.3115, 0.3220



58.6022, 0.3182, 0.3369

Square

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



58.6022, 0.3115, 0.3220



58.6022, 0.3216, 0.3323



58.6022, 0.3139, 0.3362



58.6022, 0.3040, 0.3256

Rectangle

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



58.6022, 0.3115, 0.3220



58.6022, 0.3187, 0.3270



58.6022, 0.3139, 0.3362



58.6022, 0.3068, 0.3310

Sweetspot

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



58.6047, 0.3115, 0.3220



98.2226, 0.3123, 0.3266



59.0243, 0.3084, 0.3244



21.0424, 0.3123, 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.



58.6047, 0.3115, 0.3220



94.7345, 0.3114, 0.3217



58.8446, 0.3137, 0.3231



12.4255, 0.3111, 0.3199



6.0849, 0.2389, 0.1089



0.3544, 0.2552, 0.1180

Inverse Universe

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



58.6973, 0.3159, 0.3267



94.8919, 0.3161, 0.3266



60.6257, 0.3118, 0.3350



12.4514, 0.3169, 0.3260



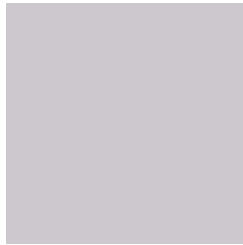
8.3592, 0.5618, 0.2869



0.4453, 0.5063, 0.2563

Previews

White Background



This preview shows how the Yxy color 58.6022, 0.3115, 0.3220 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 58.6022, 0.3115, 0.3220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

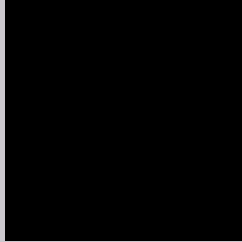
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

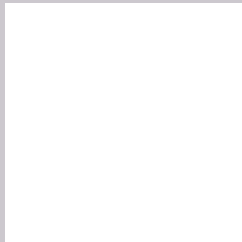
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.6022, 0.3115, 0.3220

Background



This preview shows how black text looks on a background with the Yxy color 58.6022, 0.3115, 0.3220.

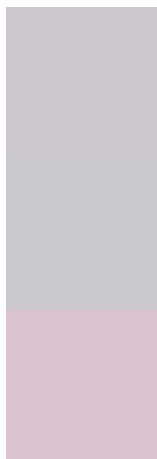


This preview shows how white text looks on a background with the Yxy color 58.6022, 0.3115, 0.3220.

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

58.6022, 0.3115, 0.3220

Protanopia

58.4613, 0.3107, 0.3219

Deuteranopia

58.4406, 0.3221, 0.3154



Tritanopia

58.6810, 0.3066, 0.3116

Trichromacy



Original Color

58.6022, 0.3115, 0.3220

Protanomaly

58.4613, 0.3107, 0.3219

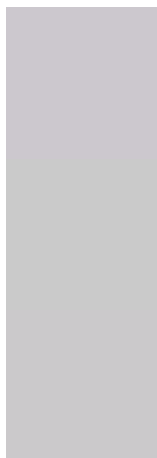
Deuteranomaly

58.5836, 0.3180, 0.3175

Tritanomaly

58.5291, 0.3087, 0.3150

Monochromacy



Original Color

58.6022, 0.3115, 0.3220

Achromatopsia

59.0619, 0.3127, 0.3290

Achromatomaly

58.7816, 0.3128, 0.3266

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.6022, 0.3115, 0.3220 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, 200, 206) looks like.

```
.text, #text, p{  
    color:rgb(204, 200, 206)  
}
```

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, 200, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 200, 206) }
```

Border

The CSS property to change the border of an element to Yxy 58.6022, 0.3115, 0.3220 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, 200, 206) }
```

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

```
.border{ border-color:rgb(204, 200, 206) }
```

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

Here you see how a box with a 4 pixel rgb(204, 200, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 200, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 200, 206);  
box-shadow:4px 4px 4px 4px rgb(204, 200,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 58.6022, 0.3115, 0.3220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 200, 206) }
```

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

```
.background{ background-color: rgb(204,  
200, 206) }
```

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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