

Converting Colors

Yxy(61.8426, 0.2885, 0.3155)

Have a look what the booklet for
Yxy(61.8426, 0.2885, 0.3155)
contains.

Yxy(61.8784, 0.2890, 0.3160)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(61.8784, 0.2890, 0.3160)

Conversions

Conversions Part 1

Format	Color
Hex	BBD2DD
RGB	187, 210, 221
RGB Percent	73%, 82%, 87%
CMY	0.2666, 0.1765, 0.1334
CMYK	0.15, 0.05, 0.00, 0.13
HSL	199°, 33%, 80%
HSV	199°, 15%, 87%
XYZ	56.5913, 61.8784, 77.3480
YIQ	204.3770, -17.2390, -1.4550

Conversions

Conversions Part 2

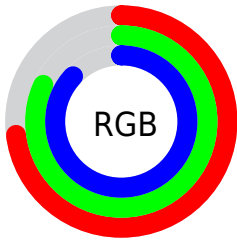
Format	Color
R _{YB}	187, 201, 221
Decimal	12309213
CIE Lab	82.85, -5.44, -8.03
CIE LCh	83, 9.693, 235.891
Yxy	61.8784, 0.2890, 0.3160
Android (android.graphics.Color)	4290499293 (0xFFBBD2DD)
YUV	204.3770, 8.1951, -15.2396
Hunter-Lab	78.6628, -9.2441, -3.2350

Details

The Yxy color **61.8784, 0.2890, 0.3160** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **59.3399, 0.3395, 0.3417**, and the grayscale version is **60.5921, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7947, 0.3054, 0.3290**, and **31.5167, 0.2827, 0.3132** is the 20% darker color. If you saturate the color by 10%, you get **55.8575, 0.2736, 0.3065**, and if you desaturate by 10%, it is **68.4905, 0.3045, 0.3247**.

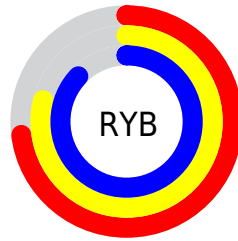
Distribution



Red (73%)

Green (82%)

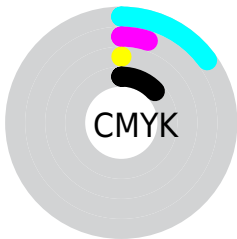
Blue (87%)



Red (73%)

Yellow (79%)

Blue (87%)

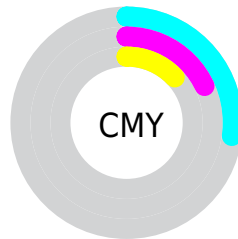


Cyan (15%)

Magenta (5%)

Yellow (0%)

Black (13%)



Cyan (27%)

Magenta (18%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 61.8784, 0.2890, 0.3160 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 61.8784, 0.2890, 0.3160 by changing the saturation by 10% instead.

■ 61.8784, 0.2890,
0.3160

■ 61.8784, 0.2890,
0.3160

431.4874, 0.3002,
0.3223

■ 44.9345, 0.2864,
0.3145

■ 107.5498, 0.2929,
0.3182

■ 31.4058, 0.2831,
0.3126

137.0460, 0.2945,
0.3191

■ 20.9080, 0.2789,
0.3102

171.4951, 0.2958,
0.3198

■ 13.0568, 0.2733,
0.3069

211.2814, 0.2969,
0.3204

■ 7.4677, 0.2655,
0.3022

256.7894, 0.2979,
0.3210

■ 3.7563, 0.2540,
0.2950

308.4035, 0.2988,

■ 1.5382, 0.2350,

0.3215

0.2828

366.5080, 0.2995,
0.3219

0.3154, 0.1205,
0.2274

0.0000, 0.0000,
0.0000

61.8784, 0.2890,
0.3160

61.8784, 0.2890,
0.3160

55.8575, 0.2736,
0.3065

68.4905, 0.3045,
0.3247

50.3986, 0.2586,
0.2961

75.7065, 0.3198,
0.3325

45.4812, 0.2444,
0.2850

83.5480, 0.3347,
0.3395

41.0801, 0.2313,
0.2733

87.9551, 0.3349,
0.3465

■ 37.1680, 0.2196,
0.2611

■ 92.2082, 0.3340,
0.3534

■ 33.7140, 0.2098,
0.2487

■ 96.6282, 0.3330,
0.3601

■ 30.6827, 0.2020,
0.2363

■ 97.9990, 0.3328,
0.3621

■ 28.0310, 0.1963,
0.2241

■ 26.8978, 0.1940,
0.2185

Harmonies

Analogous

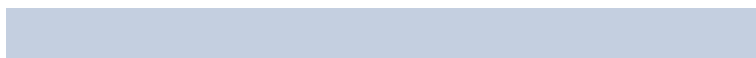
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



61.8784, 0.2914, 0.3262



61.8784, 0.2890, 0.3160



61.8784, 0.2928, 0.3095

Triad

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



61.8784, 0.2890, 0.3160



61.8784, 0.3260, 0.3206



61.8784, 0.3234, 0.3506

Complementary

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



61.8784, 0.2890, 0.3160



59.3399, 0.3395, 0.3417

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.



61.8784, 0.3329, 0.3486



61.8784, 0.2890, 0.3160



61.8784, 0.3345, 0.3312

Square

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



61.8784, 0.2890, 0.3160



61.8784, 0.3140, 0.3123



61.8784, 0.3370, 0.3414



61.8784, 0.3111, 0.3465

Rectangle

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



61.8784, 0.2890, 0.3160



61.8784, 0.2983, 0.3081



61.8784, 0.3370, 0.3414



61.8784, 0.3270, 0.3506

Sweetspot

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



61.8810, 0.2890, 0.3160



95.0613, 0.3050, 0.3250



66.3327, 0.3039, 0.3567



20.2021, 0.3039, 0.3244



0.0000, 0.0000, 0.0000



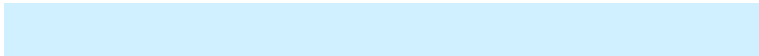
21.4041, 0.3127, 0.3290

Same Dimension

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



61.8810, 0.2890, 0.3160



83.2104, 0.2847, 0.3134



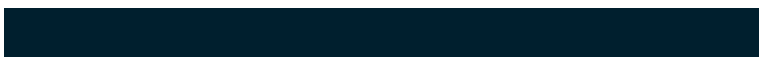
54.0342, 0.2882, 0.2957



14.0833, 0.2982, 0.3213



15.8432, 0.1946, 0.2204



1.1801, 0.2001, 0.2402

Inverse Universe

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



55.5700, 0.3229, 0.3031



73.2114, 0.3251, 0.2982



67.4294, 0.3367, 0.3603



13.1995, 0.3187, 0.3133



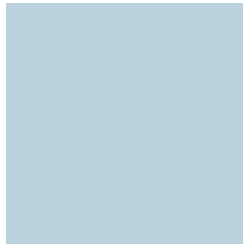
10.2231, 0.4228, 0.2103



0.6778, 0.4021, 0.1989

Previews

White Background



This preview shows how the Yxy color 61.8784, 0.2890, 0.3160 looks on a white background.

Color Contrast Check

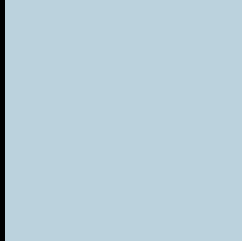
Large Text (above 18pt) WCAG AA × Fail

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 61.8784, 0.2890, 0.3160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

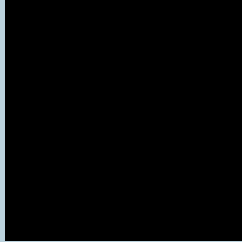
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

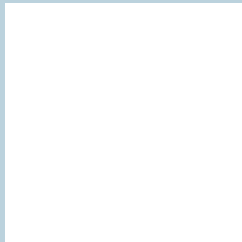
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 61.8784, 0.2890, 0.3160

Background



This preview shows how black text looks on a background with the Yxy color 61.8784, 0.2890, 0.3160.

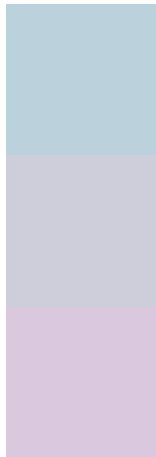


This preview shows how white text looks on a background with the Yxy color 61.8784, 0.2890, 0.3160.

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

61.8784, 0.2890, 0.3160

Protanopia

61.8464, 0.3044, 0.3141

Deuteranopia

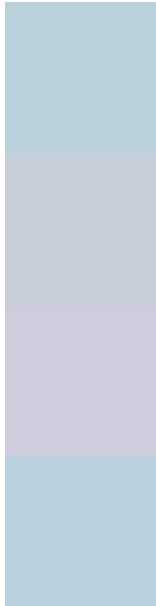
61.5417, 0.3101, 0.3035



Tritanopia

61.7833, 0.2865, 0.3091

Trichromacy



Original Color

61.8784, 0.2890, 0.3160

Protanomaly

61.8822, 0.2986, 0.3151

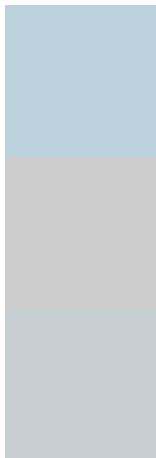
Deuteranomaly

61.7251, 0.3024, 0.3085

Tritanomaly

61.6741, 0.2877, 0.3113

Monochromacy



Original Color

61.8784, 0.2890, 0.3160

Achromatopsia

60.3827, 0.3127, 0.3290

Achromatomaly

60.8015, 0.3040, 0.3243

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.8784, 0.2890, 0.3160 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(187, 210, 221)` looks like.

```
.text, #text, p{  
    color:rgb(187, 210, 221)  
}
```

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(187, 210, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 210, 221) }
```

Border

The CSS property to change the border of an element to Yxy 61.8784, 0.2890, 0.3160 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(187, 210, 221) }
```

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

```
.border{ border-color:rgb(187, 210, 221) }
```

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

Here you see how a box with a 4 pixel rgb(187, 210, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 210, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 210, 221);  
box-shadow:4px 4px 4px 4px rgb(187, 210,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 61.8784, 0.2890, 0.3160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 210, 221) }
```

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

```
.background{ background-color: rgb(187,  
210, 221) }
```

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