

Converting Colors

Yxy(67.0817, 0.2890, 0.3175)

Have a look what the booklet for
Yxy(67.0817, 0.2890, 0.3175)
contains.

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Color

Yxy(67.0817, 0.2890, 0.3175)

Conversions

Conversions Part 1

Format	Color
Hex	C1DAE4
RGB	193, 218, 228
RGB Percent	76%, 85%, 89%
CMY	0.2433, 0.1450, 0.1058
CMYK	0.15, 0.04, 0.00, 0.11
HSL	197°, 39%, 83%
HSV	197°, 15%, 89%
XYZ	61.0602, 67.0817, 83.1391
YIQ	211.6650, -18.1100, -2.1900

Conversions

Conversions Part 2

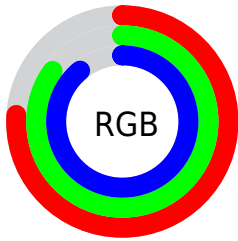
Format	Color
R_{YB}	193, 208, 228
Decimal	12704484
CIE Lab	85.55, -6.27, -7.72
CIE LCh	86, 9.945, 230.950
Yxy	67.0817, 0.2890, 0.3175
Android (android.graphics.Color)	4290894564 (0xFFC1DAE4)
YUV	211.6650, 8.0532, -16.3692
Hunter-Lab	81.9034, -10.2566, -2.8521

Details

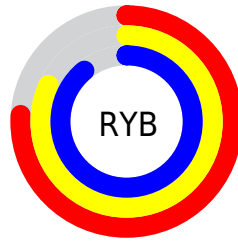
The Yxy color **67.0817, 0.2890, 0.3175** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.0365, 0.3398, 0.3402**, and the grayscale version is **65.5563, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0640, 0.3096, 0.3290**, and **34.7005, 0.2830, 0.3138** is the 20% darker color. If you saturate the color by 10%, you get **61.0082, 0.2738, 0.3091**, and if you desaturate by 10%, it is **73.7551, 0.3044, 0.3252**.

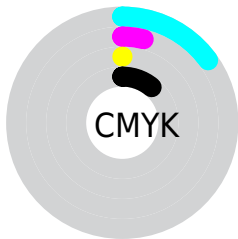
Distribution



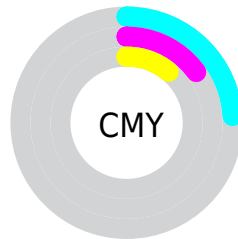
- Red (76%)
- Green (85%)
- Blue (89%)



- Red (76%)
- Yellow (82%)
- Blue (89%)



- Cyan (15%)
- Magenta (4%)
- Yellow (0%)
- Black (11%)



- Cyan (24%)
- Magenta (15%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.0817, 0.2890, 0.3175 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 67.0817, 0.2890, 0.3175 by changing the saturation by 10% instead.

■ 67.0817, 0.2890,
0.3175

■ 67.0817, 0.2890,
0.3175

450.2355, 0.3001,
0.3230

■ 49.1510, 0.2865,
0.3162

■ 115.0375, 0.2929,
0.3194

■ 34.7393, 0.2833,
0.3146

145.8314, 0.2943,
0.3202

■ 23.4621, 0.2793,
0.3125

181.6818, 0.2956,
0.3208

■ 14.9351, 0.2740,
0.3097

222.9731, 0.2968,
0.3214

■ 8.7739, 0.2667,
0.3058

270.0897, 0.2977,
0.3219

■ 4.5940, 0.2562,
0.2999

323.4161, 0.2986,

■ 2.0111, 0.2394,

0.3223

0.2901

383.3366, 0.2994,
0.3227

0.6139, 0.1893,
0.2700

0.0000, 0.0000,
0.0000

67.0817, 0.2890,
0.3175

67.0817, 0.2890,
0.3175

61.0082, 0.2738,
0.3091

73.7551, 0.3044,
0.3252

55.5036, 0.2591,
0.3000

81.0414, 0.3198,
0.3321

50.5466, 0.2452,
0.2902

87.7367, 0.3305,
0.3384

46.1107, 0.2326,
0.2800

91.5830, 0.3298,
0.3447

■ 42.1670, 0.2215,
0.2693

■ 95.5673, 0.3290,
0.3510

■ 38.6830, 0.2122,
0.2585

■ 98.3823, 0.3286,
0.3552

■ 35.6212, 0.2050,
0.2476

■ 32.9356, 0.1998,
0.2369

■ 31.7870, 0.1978,
0.2320

Harmonies

Analogous

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



67.0817, 0.2924, 0.3281



67.0817, 0.2890, 0.3175



67.0817, 0.2918, 0.3103

Triad

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



67.0817, 0.2890, 0.3175



67.0817, 0.3241, 0.3191



67.0817, 0.3252, 0.3506

Complementary

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



67.0817, 0.2890, 0.3175



63.0365, 0.3398, 0.3402

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.



67.0817, 0.3340, 0.3477



67.0817, 0.2890, 0.3175



67.0817, 0.3334, 0.3294

Square

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



67.0817, 0.2890, 0.3175



67.0817, 0.3119, 0.3114



67.0817, 0.3370, 0.3398



67.0817, 0.3132, 0.3476

Rectangle

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



67.0817, 0.2890, 0.3175



67.0817, 0.2968, 0.3082



67.0817, 0.3370, 0.3398



67.0817, 0.3286, 0.3503

Sweetspot

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



67.0845, 0.2890, 0.3175



95.3629, 0.3050, 0.3254



71.1337, 0.3046, 0.3582



20.2756, 0.3039, 0.3249



0.0000, 0.0000, 0.0000



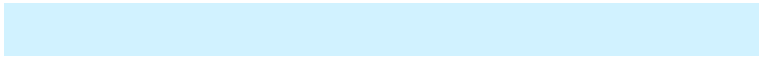
21.4041, 0.3127, 0.3290

Same Dimension

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



67.0845, 0.2890, 0.3175



84.2386, 0.2848, 0.3153



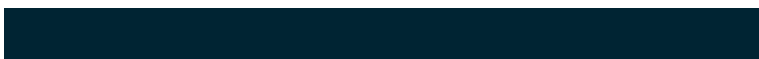
58.4989, 0.2882, 0.2970



15.6051, 0.2981, 0.3221



18.5639, 0.1982, 0.2337



1.5283, 0.2026, 0.2492

Inverse Universe

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



59.6798, 0.3220, 0.3016



73.3152, 0.3239, 0.2965



71.7518, 0.3370, 0.3591



14.5414, 0.3181, 0.3123



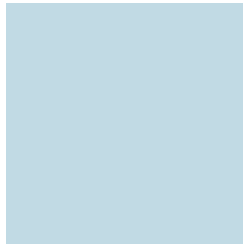
11.0717, 0.4088, 0.2026



0.8340, 0.3930, 0.1939

Previews

White Background



This preview shows how the Yxy color 67.0817, 0.2890, 0.3175 looks on a white background.

Color Contrast Check

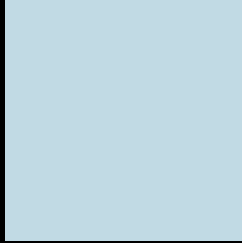
Large Text (above 18pt) WCAG AA × Fail

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 67.0817, 0.2890, 0.3175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

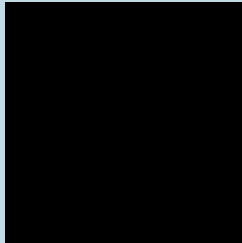
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

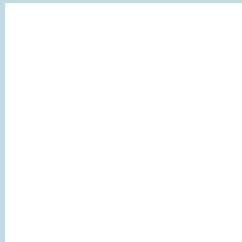
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.0817, 0.2890, 0.3175

Background



This preview shows how black text looks on a background with the Yxy color 67.0817, 0.2890, 0.3175.

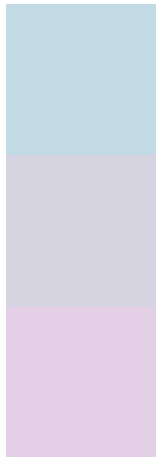


This preview shows how white text looks on a background with the Yxy color 67.0817, 0.2890, 0.3175.

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

67.0817, 0.2890, 0.3175

Protanopia

66.7649, 0.3061, 0.3157

Deuteranopia

66.6697, 0.3116, 0.3043



Tritanopia

67.0356, 0.2860, 0.3097

Trichromacy



Original Color

67.0817, 0.2890, 0.3175

Protanomaly

66.6512, 0.2997, 0.3166

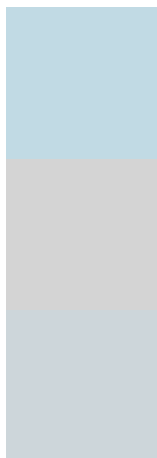
Deuteranomaly

66.6927, 0.3035, 0.3092

Tritanomaly

66.9212, 0.2872, 0.3119

Monochromacy



Original Color

67.0817, 0.2890, 0.3175

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

66.1342, 0.3036, 0.3244

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.0817, 0.2890, 0.3175 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(193, 218, 228)` looks like.

```
.text, #text, p{  
    color:rgb(193, 218, 228)  
}
```

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(193, 218, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 218, 228) }
```

Border

The CSS property to change the border of an element to Yxy 67.0817, 0.2890, 0.3175 is called "border". The border property can be set on classes, ids or directly on the HTML element.

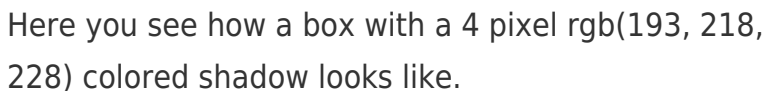
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(193, 218, 228) }
```

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

```
.border{ border-color:rgb(193, 218, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(193, 218, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 218, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 218, 228); box-shadow:4px 4px 4px 4px rgb(193, 218, 228) }
```


Background

The CSS property to change the background color of an element to Yxy 67.0817, 0.2890, 0.3175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 218, 228) }
```

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

```
.background{ background-color: rgb(193,  
218, 228) }
```

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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