

Converting Colors

$Y_{xy}(65.3600, 0.2845, 0.3203)$

Have a look what the booklet for
Yxy(65.3600, 0.2845, 0.3203)
contains.

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Color

Yxy(65.1292, 0.2842, 0.3196)

Conversions

Conversions Part 1

Format	Color
Hex	B7D9E1
RGB	183, 217, 225
RGB Percent	72%, 85%, 88%
CMY	0.2827, 0.1489, 0.1177
CMYK	0.19, 0.04, 0.00, 0.12
HSL	191°, 41%, 80%
HSV	191°, 19%, 88%
XYZ	57.9153, 65.1292, 80.7390
YIQ	207.7460, -22.8320, -4.7200

Conversions

Conversions Part 2

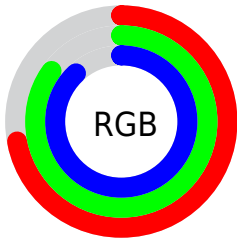
Format	Color
R _{YB}	183, 202, 225
Decimal	12048865
CIE Lab	84.55, -9.51, -7.66
CIE LCh	85, 12.216, 218.844
Yxy	65.1292, 0.2842, 0.3196
Android (android.graphics.Color)	4290238945 (0xFFB7D9E1)
YUV	207.7460, 8.5062, -21.7022
Hunter-Lab	80.7027, -13.1314, -2.8248

Details

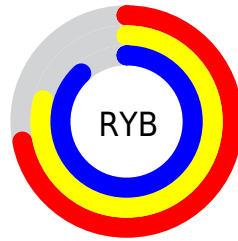
The Yxy color **65.1292, 0.2842, 0.3196** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **56.6279, 0.3475, 0.3382**, and the grayscale version is **62.8506, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0907, 0.3029, 0.3290**, and **33.4101, 0.2769, 0.3164** is the 20% darker color. If you saturate the color by 10%, you get **60.4255, 0.2697, 0.3139**, and if you desaturate by 10%, it is **70.3357, 0.2993, 0.3248**.

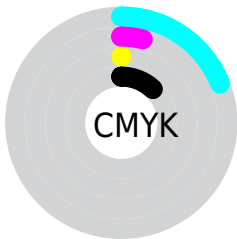
Distribution



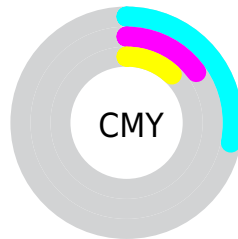
- Red (72%)
- Green (85%)
- Blue (88%)



- Red (72%)
- Yellow (79%)
- Blue (88%)



- Cyan (19%)
- Magenta (4%)
- Yellow (0%)
- Black (12%)




- Cyan (28%)
- Magenta (15%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.1292, 0.2842, 0.3196 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 65.1292, 0.2842, 0.3196 by changing the saturation by 10% instead.


 65.1292, 0.2842,
0.3196

 65.1292, 0.2842,
0.3196


443.2561, 0.2975,
0.3242

 47.5659, 0.2811,
0.3185


 112.2356, 0.2889,
0.3212

 33.4832, 0.2773,
0.3171


142.5474, 0.2907,
0.3219

 22.4969, 0.2724,
0.3153


177.8775, 0.2922,
0.3224

 14.2224, 0.2660,
0.3128

218.6103, 0.2936,
0.3229

 8.2755, 0.2571,
0.3093

265.1302, 0.2947,
0.3233

 4.2718, 0.2442,
0.3039

317.8215, 0.2958,

 1.8267, 0.2235,

0.3236

0.2945

377.0687, 0.2967,
0.3239

0.5037, 0.1340,
0.2739

0.0000, 0.0000,
0.0000

65.1292, 0.2842,
0.3196

65.1292, 0.2842,
0.3196

60.4255, 0.2697,
0.3139

70.3357, 0.2993,
0.3248

56.1953, 0.2560,
0.3079

76.0569, 0.3147,
0.3296

52.4181, 0.2436,
0.3014

82.3143, 0.3302,
0.3339

49.0689, 0.2328,
0.2948

85.5684, 0.3329,
0.3380

■ 46.1197, 0.2237,
0.2879

■ 88.0214, 0.3324,
0.3422

■ 43.5388, 0.2165,
0.2810

■ 90.5330, 0.3319,
0.3463

■ 41.2888, 0.2113,
0.2741

■ 93.1037, 0.3313,
0.3504

■ 39.3135, 0.2078,
0.2673

■ 95.7337, 0.3308,
0.3545

■ 39.0661, 0.2074,
0.2664

■ 98.2153, 0.3304,
0.3582

Harmonies

Analogous

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



65.1292, 0.2913, 0.3336



65.1292, 0.2842, 0.3196



65.1292, 0.2845, 0.3087

Triad

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



65.1292, 0.2842, 0.3196



65.1292, 0.3209, 0.3124



65.1292, 0.3333, 0.3552

Complementary

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



65.1292, 0.2842, 0.3196



56.6279, 0.3475, 0.3382

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.



65.1292, 0.3417, 0.3487



65.1292, 0.2842, 0.3196



65.1292, 0.3345, 0.3241

Square

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



65.1292, 0.2842, 0.3196



65.1292, 0.3054, 0.3049



65.1292, 0.3421, 0.3372



65.1292, 0.3195, 0.3546

Rectangle

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



65.1292, 0.2842, 0.3196



65.1292, 0.2889, 0.3045



65.1292, 0.3421, 0.3372



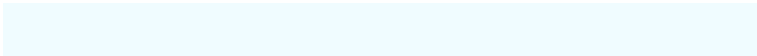
65.1292, 0.3368, 0.3538

Sweetspot

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



65.1319, 0.2842, 0.3196



95.3802, 0.3034, 0.3261



67.6436, 0.3055, 0.3704



20.3109, 0.3024, 0.3258



0.0000, 0.0000, 0.0000



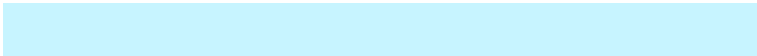
21.4041, 0.3127, 0.3290

Same Dimension

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



65.1319, 0.2842, 0.3196



84.2839, 0.2791, 0.3177



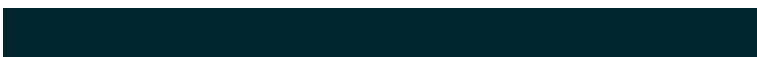
55.0809, 0.2828, 0.2945



15.1085, 0.2982, 0.3245



22.6782, 0.2076, 0.2675



1.6870, 0.2106, 0.2780

Inverse Universe

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



54.8498, 0.3211, 0.2911



68.6161, 0.3229, 0.2839



66.3386, 0.3433, 0.3613



13.8888, 0.3167, 0.3102



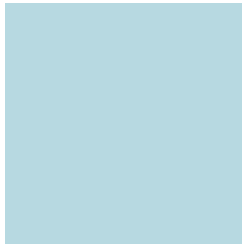
11.1974, 0.3752, 0.1841



0.7878, 0.3653, 0.1786

Previews

White Background



This preview shows how the Yxy color 65.1292, 0.2842, 0.3196 looks on a white background.

Color Contrast Check

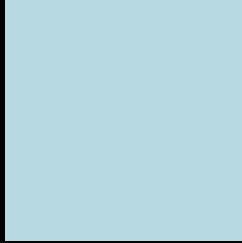
Large Text (above 18pt) WCAG AA × Fail

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 65.1292, 0.2842, 0.3196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

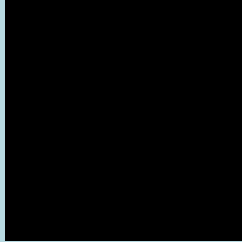
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

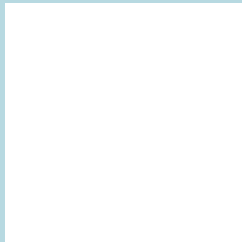
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.1292, 0.2842, 0.3196

Background



This preview shows how black text looks on a background with the Yxy color 65.1292, 0.2842, 0.3196.

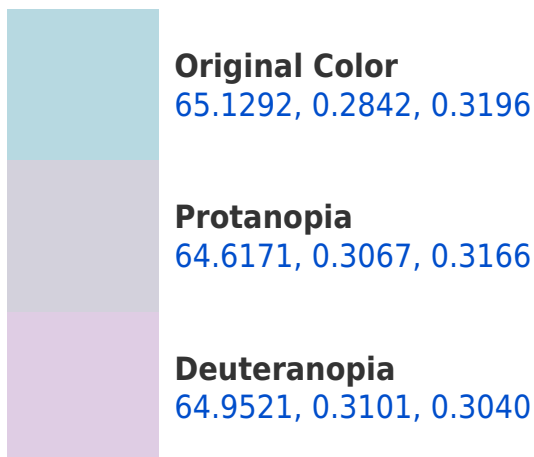


This preview shows how white text looks on a background with the Yxy color 65.1292, 0.2842, 0.3196.

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

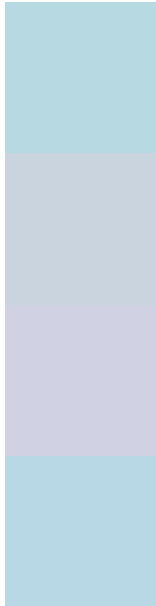




Tritanopia

65.1853, 0.2801, 0.3093

Trichromacy



Original Color

65.1292, 0.2842, 0.3196

Protanomaly

64.7784, 0.2981, 0.3175

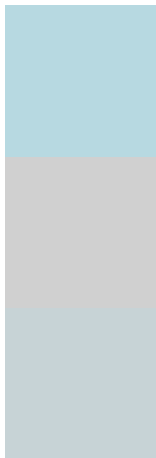
Deuteranomaly

64.5569, 0.2998, 0.3088

Tritanomaly

65.0153, 0.2818, 0.3127

Monochromacy



Original Color

65.1292, 0.2842, 0.3196

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

63.5857, 0.3019, 0.3255

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.1292, 0.2842, 0.3196 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(183, 217, 225)` looks like.

```
.text, #text, p{  
    color:rgb(183, 217, 225)  
}
```

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(183, 217, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 217, 225) }
```

Border

The CSS property to change the border of an element to Yxy 65.1292, 0.2842, 0.3196 is called "border". The border property can be set on classes, ids or directly on the HTML element.

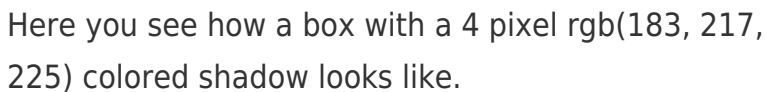
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(183, 217, 225) }
```

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

```
.border{ border-color:rgb(183, 217, 225) }
```

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



Here you see how a box with a 4 pixel `rgb(183, 217, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 217, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 217, 225);  
box-shadow:4px 4px 4px 4px rgb(183, 217,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 65.1292, 0.2842, 0.3196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 217, 225) }
```

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

```
.background{ background-color: rgb(183,  
217, 225) }
```

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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