

Converting Colors

Yxy(64.6683, 0.2961, 0.3385)

Have a look what the booklet for
Yxy(64.6683, 0.2961, 0.3385)
contains.

Yxy(64.6683, 0.2961, 0.3385)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(64.6683, 0.2961, 0.3385)

Conversions

Conversions Part 1

Format	Color
Hex	BAD9D1
RGB	186, 217, 209
RGB Percent	73%, 85%, 82%
CMY	0.2706, 0.1490, 0.1805
CMYK	0.14, 0.00, 0.04, 0.15
HSL	164°, 29%, 79%
HSV	164°, 14%, 85%
XYZ	56.5680, 64.6683, 69.8074
YIQ	206.8190, -15.9080, -9.0600

Conversions

Conversions Part 2

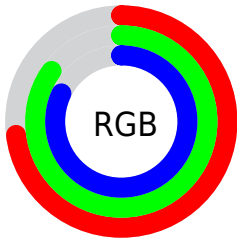
Format	Color
R _{YB}	186, 204, 217
Decimal	12245457
CIE Lab	84.31, -11.80, 0.50
CIE LCh	84, 11.813, 177.588
Yxy	64.6683, 0.2961, 0.3385
Android (android.graphics.Color)	4290435537 (0xFFBAD9D1)
YUV	206.8190, 1.0752, -18.2583
Hunter-Lab	80.4166, -15.1655, 4.8237

Details

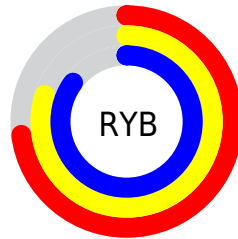
The Yxy color **64.6683, 0.2961, 0.3385** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **53.7658, 0.3325, 0.3197**, and the grayscale version is **62.2752, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6172, 0.3047, 0.3290**, and **33.1938, 0.2921, 0.3400** is the 20% darker color. If you saturate the color by 10%, you get **61.8829, 0.2852, 0.3460**, and if you desaturate by 10%, it is **67.8817, 0.3076, 0.3317**.

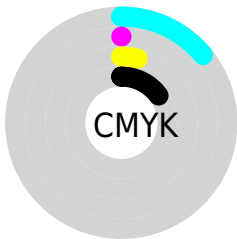
Distribution



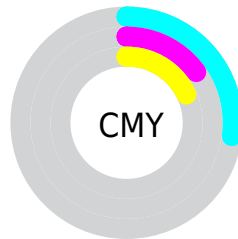
- Red (73%)
- Green (85%)
- Blue (82%)



- Red (73%)
- Yellow (80%)
- Blue (85%)



- Cyan (14%)
- Magenta (0%)
- Yellow (4%)
- Black (15%)




- Cyan (27%)
- Magenta (15%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.6683, 0.2961, 0.3385 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 64.6683, 0.2961, 0.3385 by changing the saturation by 10% instead.


 64.6683, 0.2961,
0.3385

 64.6683, 0.2961,
0.3385


441.5990, 0.3040,
0.3340

 47.1922, 0.2943,
0.3396


 111.5728, 0.2989,
0.3369

 33.1876, 0.2920,
0.3409


141.7700, 0.2999,
0.3363

 22.2702, 0.2890,
0.3426


176.9764, 0.3008,
0.3358

 14.0556, 0.2851,
0.3448

217.5763, 0.3016,
0.3353

 8.1593, 0.2796,
0.3480

263.9541, 0.3023,
0.3349

 4.1971, 0.2715,
0.3527

316.4942, 0.3029,

 1.7844, 0.2580,

0.3346

0.3606

375.5811, 0.3035,
0.3343

0.4774, 0.1468,
0.4232

0.0000, 0.0000,
0.0000

64.6683, 0.2961,
0.3385

64.6683, 0.2961,
0.3385

61.8829, 0.2852,
0.3460

67.8817, 0.3076,
0.3317

59.4987, 0.2751,
0.3541

71.5323, 0.3195,
0.3256

57.4984, 0.2663,
0.3627

75.6396, 0.3315,
0.3201

55.8601, 0.2589,
0.3718

76.6851, 0.3305,
0.3146

■ 54.5597, 0.2533,
0.3813

■ 77.0086, 0.3266,
0.3091

■ 53.5702, 0.2496,
0.3910

■ 77.3424, 0.3227,
0.3037

■ 52.8604, 0.2479,
0.4008

■ 77.6865, 0.3189,
0.2983

■ 52.3922, 0.2482,
0.4105

■ 78.0412, 0.3152,
0.2930

■ 52.1967, 0.2489,
0.4159

■ 78.1099, 0.3145,
0.2920

Harmonies

Analogous

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



64.6683, 0.3099, 0.3497



64.6683, 0.2961, 0.3385



64.6683, 0.2869, 0.3248

Triad

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



64.6683, 0.2961, 0.3385



64.6683, 0.3004, 0.3043



64.6683, 0.3419, 0.3444

Complementary

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



64.6683, 0.2961, 0.3385



53.7658, 0.3325, 0.3197

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.



64.6683, 0.3393, 0.3322



64.6683, 0.2961, 0.3385



64.6683, 0.3150, 0.3095

Square

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



64.6683, 0.2961, 0.3385



64.6683, 0.2893, 0.3054



64.6683, 0.3294, 0.3196



64.6683, 0.3365, 0.3528

Rectangle

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



64.6683, 0.2961, 0.3385



64.6683, 0.2844, 0.3164



64.6683, 0.3294, 0.3196



64.6683, 0.3419, 0.3406

Sweetspot

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



64.6710, 0.2961, 0.3385



97.9476, 0.3079, 0.3315



64.6796, 0.3170, 0.3661



20.8847, 0.3070, 0.3320



0.0000, 0.0000, 0.0000



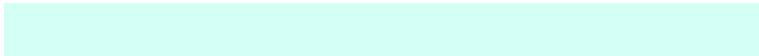
21.4041, 0.3127, 0.3290

Same Dimension

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



64.6710, 0.2961, 0.3385



91.9831, 0.2929, 0.3406



61.4297, 0.2908, 0.3203



14.7690, 0.3016, 0.3351



31.6125, 0.2485, 0.4145



2.0618, 0.2441, 0.3988

Inverse Universe

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



53.7658, 0.3325, 0.3197



73.4931, 0.3372, 0.3178



56.5410, 0.3379, 0.3375



13.1066, 0.3251, 0.3230



9.1186, 0.5891, 0.3019



0.6048, 0.5422, 0.2760

Previews

White Background



This preview shows how the Yxy color 64.6683, 0.2961, 0.3385 looks on a white background.

Color Contrast Check

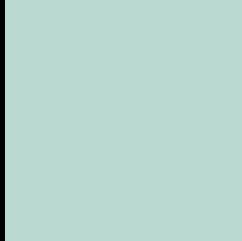
Large Text (above 18pt) WCAG AA × Fail

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 64.6683, 0.2961, 0.3385 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

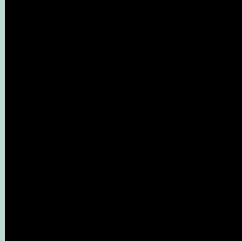
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

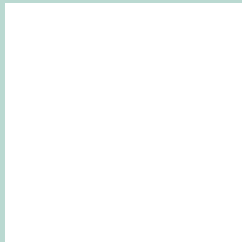
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.6683, 0.2961, 0.3385

Background



This preview shows how black text looks on a background with the Yxy color 64.6683, 0.2961, 0.3385.

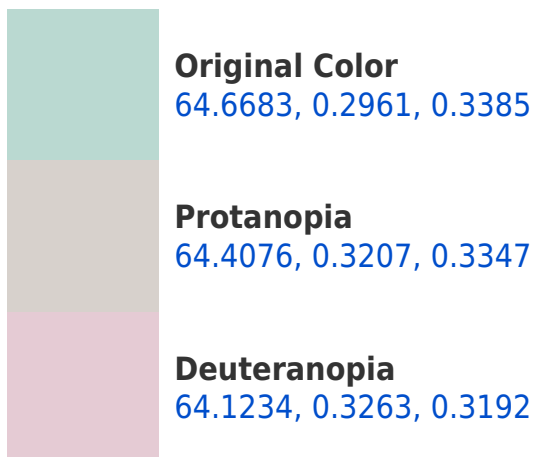


This preview shows how white text looks on a background with the Yxy color 64.6683, 0.2961, 0.3385.

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

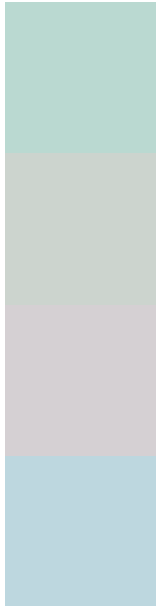




Tritanopia

64.8098, 0.2850, 0.3094

Trichromacy



Original Color

64.6683, 0.2961, 0.3385

Protanomaly

64.3806, 0.3109, 0.3359

Deuteranomaly

63.9610, 0.3144, 0.3256

Tritanomaly

64.7474, 0.2893, 0.3196

Monochromacy



Original Color

64.6683, 0.2961, 0.3385

Achromatopsia

62.3960, 0.3127, 0.3290

Achromatomaly

63.2847, 0.3059, 0.3325

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.6683, 0.2961, 0.3385 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(186, 217, 209)` looks like.

```
.text, #text, p{  
    color:rgb(186, 217, 209)  
}
```

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(186, 217, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 217, 209) }
```

Border

The CSS property to change the border of an element to Yxy 64.6683, 0.2961, 0.3385 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(186, 217, 209) }
```

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

```
.border{ border-color:rgb(186, 217, 209) }
```

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

Here you see how a box with a 4 pixel rgb(186, 217, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 217, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 217, 209);  
box-shadow:4px 4px 4px 4px rgb(186, 217,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 64.6683, 0.2961, 0.3385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 217, 209) }
```

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

```
.background{ background-color: rgb(186,  
217, 209) }
```

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