

Converting Colors

$Yxy(66.2622, 0.2969, 0.3393)$

Have a look what the booklet for
Yxy(66.2622, 0.2969, 0.3393)
contains.

Yxy(66.1850, 0.2969, 0.3384)	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(66.1850, 0.2969, 0.3384)

Conversions

Conversions Part 1

Format	Color
Hex	BDDBD3
RGB	189, 219, 211
RGB Percent	74%, 86%, 83%
CMY	0.2589, 0.1411, 0.1726
CMYK	0.14, 0.00, 0.04, 0.14
HSL	164°, 29%, 80%
HSV	164°, 14%, 86%
XYZ	58.0683, 66.1850, 71.3288
YIQ	209.1180, -15.3120, -8.8480

Conversions

Conversions Part 2

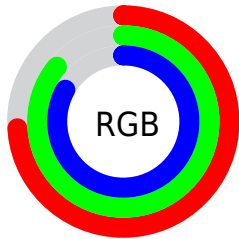
Format	Color
RYB	189, 206, 219
Decimal	12442579
CIELab	85.09, -11.47, 0.59
CIELCh	85, 11.486, 177.031
Yxy	66.1850, 0.2969, 0.3384
Android (android.graphics.Color)	4290632659 (0xFFBDDBD3)
YUV	209.1180, 0.9278, -17.6435
Hunter-Lab	81.3542, -14.9614, 4.9643

Details

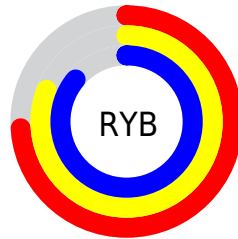
The Yxy color **66.1850, 0.2969, 0.3384** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.4774, 0.3314, 0.3198**, and the grayscale version is **63.8407, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **34.1361, 0.2923, 0.3399** is the 20% darker color. If you saturate the color by 10%, you get **63.3073, 0.2860, 0.3461**, and if you desaturate by 10%, it is **69.5019, 0.3084, 0.3314**.

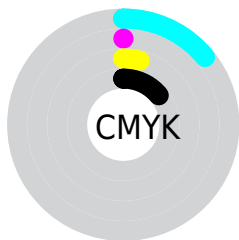
Distribution



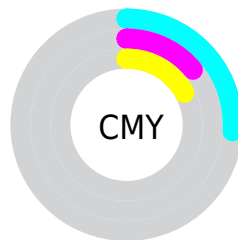
- Red (74%)
- Green (86%)
- Blue (83%)



- Red (74%)
- Yellow (81%)
- Blue (86%)



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





- Cyan (26%)
- Magenta (14%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.1850, 0.2969, 0.3384 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 66.1850, 0.2969, 0.3384 by changing the saturation by 10% instead.


 66.1850, 0.2969,
0.3384

 66.1850, 0.2969,
0.3384

447.0382, 0.3044,
0.3340

 48.4226, 0.2952,
0.3394


 113.7518, 0.2995,
0.3368

 34.1617, 0.2930,
0.3407


144.3250, 0.3005,
0.3362

 23.0178, 0.2902,
0.3424

179.9373, 0.3014,
0.3357

 14.6067, 0.2865,
0.3446

220.9730, 0.3021,
0.3353

 8.5438, 0.2814,
0.3476

267.8165, 0.3028,
0.3349

 4.4448, 0.2739,
0.3522

320.8523, 0.3034,

 1.9254, 0.2614,

0.3346

0.3598

380.4648, 0.3039,
0.3342

0.5636, 0.1837,
0.4051

0.0000, 0.0000,
0.0000

66.1850, 0.2969,
0.3384

66.1850, 0.2969,
0.3384

63.3073, 0.2860,
0.3461

69.5019, 0.3084,
0.3314

60.8414, 0.2760,
0.3544


73.2674, 0.3201,
0.3251

58.7697, 0.2672,
0.3634


77.5011, 0.3320,
0.3195

57.0698, 0.2598,
0.3728

77.8941, 0.3282,
0.3138


 55.7174, 0.2542,
0.3826


 78.2371, 0.3242,
0.3080


 54.6851, 0.2504,
0.3927

 78.5914, 0.3202,
0.3024

 53.9409, 0.2487,
0.4028

 78.9569, 0.3163,
0.2969

 53.4466, 0.2489,
0.4128

 79.1502, 0.3144,
0.2940

 53.2240, 0.2497,
0.4191

Harmonies

Analogous

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



66.1850, 0.3103, 0.3491



66.1850, 0.2969, 0.3384



66.1850, 0.2879, 0.3252

Triad

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



66.1850, 0.2969, 0.3384



66.1850, 0.3006, 0.3051



66.1850, 0.3409, 0.3436

Complementary

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



66.1850, 0.2969, 0.3384



55.4774, 0.3314, 0.3198

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.



66.1850, 0.3382, 0.3319



66.1850, 0.2969, 0.3384



66.1850, 0.3147, 0.3101

Square

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



66.1850, 0.2969, 0.3384



66.1850, 0.2899, 0.3063



66.1850, 0.3285, 0.3197



66.1850, 0.3358, 0.3519

Rectangle

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



66.1850, 0.2969, 0.3384



66.1850, 0.2854, 0.3170



66.1850, 0.3285, 0.3197



66.1850, 0.3409, 0.3400

Sweetspot

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



66.1878, 0.2969, 0.3384



97.9421, 0.3080, 0.3316



66.2790, 0.3172, 0.3645



20.8833, 0.3071, 0.3321



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.



66.1878, 0.2969, 0.3384



92.3834, 0.2942, 0.3402



63.2704, 0.2917, 0.3213



14.7670, 0.3018, 0.3353



31.5739, 0.2493, 0.4175



2.0595, 0.2448, 0.4013

Inverse Universe

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



55.4774, 0.3314, 0.3198



74.8967, 0.3353, 0.3181



57.9818, 0.3368, 0.3366



13.1084, 0.3250, 0.3228



9.1301, 0.5863, 0.3003



0.6057, 0.5393, 0.2745

Previews

White Background



This preview shows how the Yxy color 66.1850, 0.2969, 0.3384 looks on a white background.

Color Contrast Check

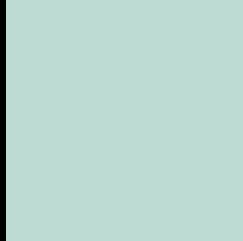
Large Text (above 18pt) WCAG AA × Fail

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 66.1850, 0.2969, 0.3384 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

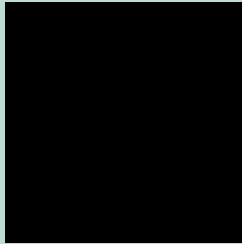
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

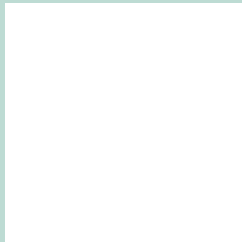
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.1850, 0.2969, 0.3384

Background



This preview shows how black text looks on a background with the Yxy color 66.1850, 0.2969, 0.3384.

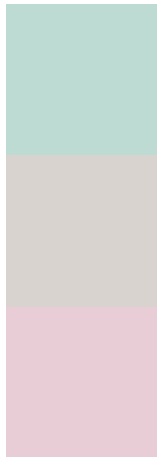


This preview shows how white text looks on a background with the Yxy color 66.1850, 0.2969, 0.3384.

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

66.1850, 0.2969, 0.3384

Protanopia

65.8452, 0.3200, 0.3335

Deuteranopia

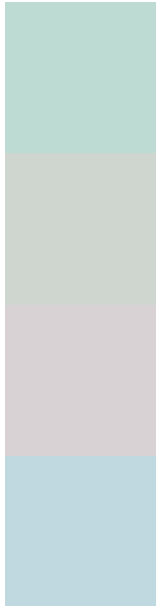
65.6735, 0.3270, 0.3193



Tritanopia

66.3324, 0.2859, 0.3096

Trichromacy



Original Color

66.1850, 0.2969, 0.3384

Protanomaly

65.9126, 0.3117, 0.3359

Deuteranomaly

65.4962, 0.3151, 0.3257

Tritanomaly

66.2684, 0.2902, 0.3197

Monochromacy



Original Color

66.1850, 0.2969, 0.3384

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

64.7982, 0.3067, 0.3324

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.1850, 0.2969, 0.3384 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(189, 219, 211)` looks like.

```
.text, #text, p{  
    color:rgb(189, 219, 211)  
}
```

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(189, 219, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 219, 211) }
```

Border

The CSS property to change the border of an element to Yxy 66.1850, 0.2969, 0.3384 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(189, 219, 211) }
```

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

```
.border{ border-color:rgb(189, 219, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 219, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 219, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 219, 211);  
box-shadow:4px 4px 4px 4px rgb(189, 219,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 66.1850, 0.2969, 0.3384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 219, 211) }
```

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

```
.background{ background-color: rgb(189,  
219, 211) }
```

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