

Converting Colors

Yxy(66.1049, 0.2977, 0.3398)

Have a look what the booklet for
Yxy(66.1049, 0.2977, 0.3398)
contains.

Yxy(66.1350, 0.2975, 0.3396)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(66.1350, 0.2975, 0.3396)

Conversions

Conversions Part 1

Format	Color
Hex	BDDBD2
RGB	189, 219, 210
RGB Percent	74%, 86%, 82%
CMY	0.2591, 0.1411, 0.1765
CMYK	0.14, 0.00, 0.04, 0.14
HSL	162°, 29%, 80%
HSV	162°, 14%, 86%
XYZ	57.9363, 66.1350, 70.6725
YIQ	209.0040, -14.9910, -9.1590

Conversions

Conversions Part 2

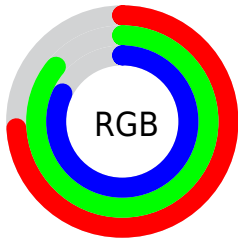
Format	Color
RYB	189, 207, 219
Decimal	12442578
CIELab	85.07, -11.68, 1.09
CIELCh	85, 11.733, 174.692
Yxy	66.1350, 0.2975, 0.3396
Android (android.graphics.Color)	4290632658 (0xFFBDDBD2)
YUV	209.0040, 0.4910, -17.5435
Hunter-Lab	81.3234, -15.1494, 5.4016

Details

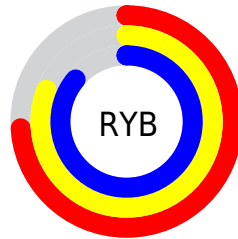
The Yxy color **66.1350, 0.2975, 0.3396** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.5064, 0.3306, 0.3187**, and the grayscale version is **63.7610, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **34.1021, 0.2931, 0.3415** is the 20% darker color. If you saturate the color by 10%, you get **63.2251, 0.2870, 0.3483**, and if you desaturate by 10%, it is **69.4869, 0.3085, 0.3317**.

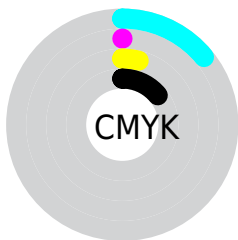
Distribution



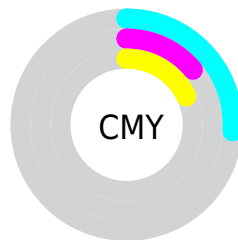
- Red (74%)
- Green (86%)
- Blue (82%)



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



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





- Cyan (26%)
- Magenta (14%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.1350, 0.2975, 0.3396 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 66.1350, 0.2975, 0.3396 by changing the saturation by 10% instead.


 66.1350, 0.2975,
0.3396

 66.1350, 0.2975,
0.3396


446.8595, 0.3047,
0.3346

 48.3820, 0.2958,
0.3408


 113.6801, 0.3000,
0.3378

 34.1295, 0.2937,
0.3422


144.2409, 0.3010,
0.3372

 22.9931, 0.2911,
0.3441


179.8399, 0.3018,
0.3366

 14.5884, 0.2875,
0.3466

220.8613, 0.3025,
0.3361

 8.5310, 0.2826,
0.3501

267.6896, 0.3032,
0.3356

 4.4366, 0.2752,
0.3554

320.7091, 0.3037,

 1.9207, 0.2631,

0.3352

0.3641

380.3043, 0.3042,
0.3349

0.5608, 0.1845,
0.4175

0.0000, 0.0000,
0.0000

66.1350, 0.2975,
0.3396

66.1350, 0.2975,
0.3396

63.2251, 0.2870,
0.3483

69.4869, 0.3085,
0.3317

60.7297, 0.2774,
0.3577

73.2902, 0.3198,
0.3247

58.6311, 0.2689,
0.3678

77.5647, 0.3312,
0.3184

56.9071, 0.2618,
0.3785

78.0089, 0.3269,
0.3119

■ 55.5331, 0.2564,
0.3897

■ 78.3992, 0.3224,
0.3055

■ 54.4816, 0.2530,
0.4011

■ 78.8037, 0.3180,
0.2992

■ 53.7208, 0.2515,
0.4126

■ 79.1551, 0.3144,
0.2940

■ 53.2122, 0.2520,
0.4240

■ 52.9823, 0.2531,
0.4311

Harmonies

Analogous

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



66.1350, 0.3114, 0.3502



66.1350, 0.2975, 0.3396



66.1350, 0.2878, 0.3262

Triad

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



66.1350, 0.2975, 0.3396



66.1350, 0.2993, 0.3045



66.1350, 0.3416, 0.3431

Complementary

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



66.1350, 0.2975, 0.3396



55.5064, 0.3306, 0.3187

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.



66.1350, 0.3382, 0.3310



66.1350, 0.2975, 0.3396



66.1350, 0.3136, 0.3091

Square

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



66.1350, 0.2975, 0.3396



66.1350, 0.2888, 0.3062



66.1350, 0.3279, 0.3186



66.1350, 0.3370, 0.3519

Rectangle

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



66.1350, 0.2975, 0.3396



66.1350, 0.2849, 0.3177



66.1350, 0.3279, 0.3186



66.1350, 0.3414, 0.3393

Sweetspot

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



66.1378, 0.2975, 0.3396



97.9207, 0.3082, 0.3320



66.4150, 0.3179, 0.3645



20.8779, 0.3073, 0.3325



0.0000, 0.0000, 0.0000



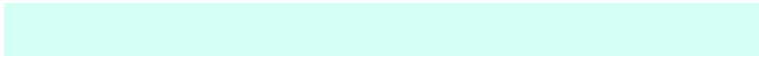
21.4041, 0.3127, 0.3290

Same Dimension

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



66.1378, 0.2975, 0.3396



92.3018, 0.2949, 0.3416



63.7699, 0.2917, 0.3225



14.7594, 0.3022, 0.3361



31.4287, 0.2526, 0.4294



2.0511, 0.2475, 0.4109

Inverse Universe

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



55.5064, 0.3306, 0.3187



74.9706, 0.3343, 0.3168



57.5192, 0.3370, 0.3354



13.1156, 0.3245, 0.3220



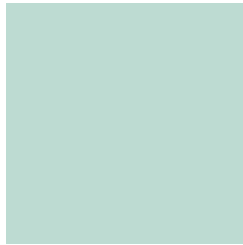
9.1787, 0.5750, 0.2941



0.6097, 0.5282, 0.2683

Previews

White Background



This preview shows how the Yxy color 66.1350, 0.2975, 0.3396 looks on a white background.

Color Contrast Check

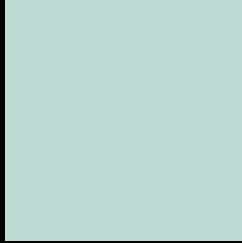
Large Text (above 18pt) WCAG AA × Fail

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 66.1350, 0.2975, 0.3396 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

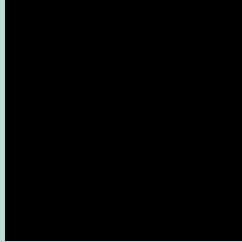
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

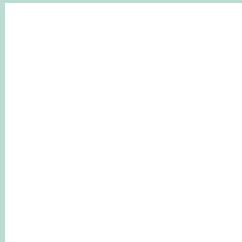
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.1350, 0.2975, 0.3396

Background



This preview shows how black text looks on a background with the Yxy color 66.1350, 0.2975, 0.3396.

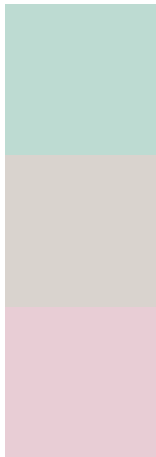


This preview shows how white text looks on a background with the Yxy color 66.1350, 0.2975, 0.3396.

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

66.1350, 0.2975, 0.3396

Protanopia

65.7965, 0.3207, 0.3346

Deuteranopia

65.6225, 0.3277, 0.3204



Tritanopia

66.3324, 0.2859, 0.3096

Trichromacy



Original Color

66.1350, 0.2975, 0.3396

Protanomaly

65.8635, 0.3123, 0.3370

Deuteranomaly

65.4456, 0.3158, 0.3268

Tritanomaly

66.2684, 0.2902, 0.3197

Monochromacy



Original Color

66.1350, 0.2975, 0.3396

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

64.7485, 0.3074, 0.3336

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.1350, 0.2975, 0.3396 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, 210)` looks like.

```
.text, #text, p{  
    color:rgb(189, 219, 210)  
}
```

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, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 219, 210) }
```

Border

The CSS property to change the border of an element to Yxy 66.1350, 0.2975, 0.3396 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, 210) }
```

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

```
.border{ border-color:rgb(189, 219, 210) }
```

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, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 219, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 219, 210);  
box-shadow:4px 4px 4px 4px rgb(189, 219,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 66.1350, 0.2975, 0.3396 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, 210) }
```

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

```
.background{ background-color: rgb(189,  
219, 210) }
```

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