

Converting Colors

$Yxy(67.2694, 0.2959, 0.3327)$

Have a look what the booklet for
Yxy(67.2694, 0.2959, 0.3327)
contains.

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Color

Yxy(67.4817, 0.2965, 0.3336)

Conversions

Conversions Part 1

Format	Color
Hex	C1DCD8
RGB	193, 220, 216
RGB Percent	76%, 86%, 85%
CMY	0.2432, 0.1372, 0.1530
CMYK	0.12, 0.00, 0.02, 0.14
HSL	171°, 28%, 81%
HSV	171°, 12%, 86%
XYZ	59.9770, 67.4817, 74.8246
YIQ	211.4710, -14.8080, -6.9680

Conversions

Conversions Part 2

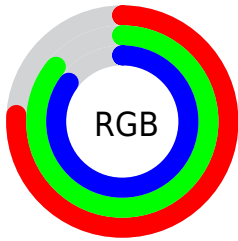
Format	Color
RYB	193, 208, 220
Decimal	12704984
CIELab	85.75, -9.70, -1.07
CIELCh	86, 9.758, 186.276
Yxy	67.4817, 0.2965, 0.3336
Android (android.graphics.Color)	4290895064 (0xFFC1DCD8)
YUV	211.4710, 2.2328, -16.1991
Hunter-Lab	82.1472, -13.4320, 3.4982

Details

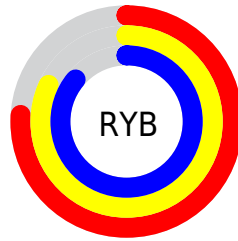
The Yxy color **67.4817, 0.2965, 0.3336** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **57.3836, 0.3317, 0.3245**, and the grayscale version is **65.4614, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0640, 0.3096, 0.3290**, and **34.9724, 0.2926, 0.3351** is the 20% darker color. If you saturate the color by 10%, you get **64.6377, 0.2841, 0.3377**, and if you desaturate by 10%, it is **70.7648, 0.3096, 0.3298**.

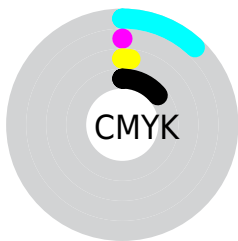
Distribution



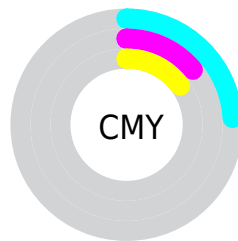
- Red (76%)
- Green (86%)
- Blue (85%)



- Red (76%)
- Yellow (82%)
- Blue (86%)



- Cyan (12%)
- Magenta (0%)
- Yellow (2%)
- Black (14%)



- Cyan (24%)
- Magenta (14%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.4817, 0.2965, 0.3336 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 67.4817, 0.2965, 0.3336 by changing the saturation by 10% instead.

67.4817, 0.2965,
0.3336

67.4817, 0.2965,
0.3336

451.6575, 0.3041,
0.3315

49.4762, 0.2947,
0.3341

115.6104, 0.2992,
0.3329

34.9974, 0.2926,
0.3347

146.5023, 0.3002,
0.3326

23.6609, 0.2898,
0.3355

182.4585, 0.3011,
0.3323

15.0822, 0.2861,
0.3365

223.8634, 0.3018,
0.3321

8.8771, 0.2810,
0.3378

271.1014, 0.3025,
0.3319

4.6611, 0.2735,
0.3398

324.5567, 0.3031,

2.0498, 0.2614,

0.3318

0.3429

384.6140, 0.3036,
0.3316

0.6362, 0.2077,
0.3592

0.0000, 0.0000,
0.0000

67.4817, 0.2965,
0.3336

67.4817, 0.2965,
0.3336

64.6377, 0.2841,
0.3377

70.7648, 0.3096,
0.3298

62.2054, 0.2726,
0.3422


74.4964, 0.3232,
0.3264

60.1672, 0.2624,
0.3470


77.9310, 0.3341,
0.3233


58.5012, 0.2538,
0.3520

78.1120, 0.3318,
0.3200

 57.1829, 0.2470,
0.3571


 78.2965, 0.3295,
0.3168


 56.1853, 0.2421,
0.3624

 78.4843, 0.3273,
0.3136


 55.4771, 0.2391,
0.3677

 78.6757, 0.3251,
0.3104

 55.0207, 0.2380,
0.3730

 78.8706, 0.3228,
0.3072

 54.7924, 0.2381,
0.3770

 79.0690, 0.3206,
0.3041

Harmonies

Analogous

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



67.4817, 0.3070, 0.3435



67.4817, 0.2965, 0.3336



67.4817, 0.2904, 0.3226

Triad

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



67.4817, 0.2965, 0.3336



67.4817, 0.3060, 0.3096



67.4817, 0.3358, 0.3440

Complementary

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



67.4817, 0.2965, 0.3336



57.3836, 0.3317, 0.3245

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.



67.4817, 0.3356, 0.3347



67.4817, 0.2965, 0.3336



67.4817, 0.3182, 0.3151

Square

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



67.4817, 0.2965, 0.3336



67.4817, 0.2958, 0.3089



67.4817, 0.3291, 0.3243



67.4817, 0.3297, 0.3495

Rectangle

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



67.4817, 0.2965, 0.3336



67.4817, 0.2895, 0.3162



67.4817, 0.3291, 0.3243



67.4817, 0.3365, 0.3412

Sweetspot

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



67.4845, 0.2965, 0.3336



98.0193, 0.3073, 0.3305



66.9167, 0.3141, 0.3608



20.9029, 0.3063, 0.3307



0.0000, 0.0000, 0.0000



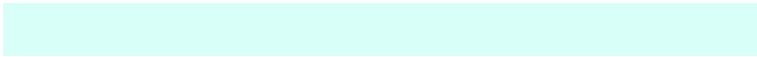
21.4041, 0.3127, 0.3290

Same Dimension

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



67.4845, 0.2965, 0.3336



93.0927, 0.2929, 0.3347



62.8700, 0.2938, 0.3179



14.7946, 0.3002, 0.3325



32.1673, 0.2378, 0.3762



2.0932, 0.2355, 0.3676

Inverse Universe

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



57.3836, 0.3317, 0.3245



76.0541, 0.3369, 0.3234



61.5175, 0.3335, 0.3398



13.0829, 0.3268, 0.3256



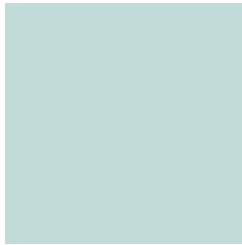
9.0034, 0.6188, 0.3183



0.5935, 0.5791, 0.2964

Previews

White Background



This preview shows how the Yxy color 67.4817, 0.2965, 0.3336 looks on a white background.

Color Contrast Check

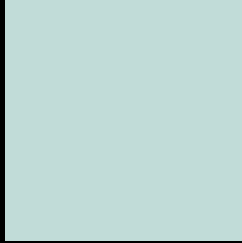
Large Text (above 18pt) WCAG AA × Fail

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 67.4817, 0.2965, 0.3336 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

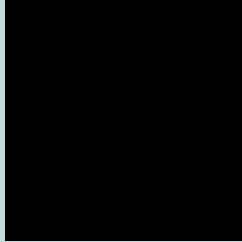
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

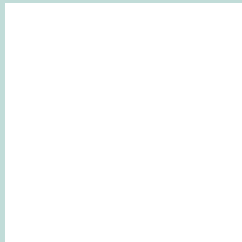
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.4817, 0.2965, 0.3336

Background



This preview shows how black text looks on a background with the Yxy color 67.4817, 0.2965, 0.3336.

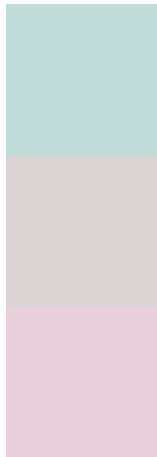


This preview shows how white text looks on a background with the Yxy color 67.4817, 0.2965, 0.3336.

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

67.4817, 0.2965, 0.3336

Protanopia

67.2474, 0.3171, 0.3301

Deuteranopia

67.0638, 0.3239, 0.3162



Tritanopia

67.3020, 0.2873, 0.3098

Trichromacy



Original Color

67.4817, 0.2965, 0.3336

Protanomaly

67.4711, 0.3097, 0.3324

Deuteranomaly

67.0543, 0.3130, 0.3224

Tritanomaly

67.2910, 0.2910, 0.3187

Monochromacy



Original Color

67.4817, 0.2965, 0.3336

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

65.7346, 0.3061, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.4817, 0.2965, 0.3336 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, 220, 216)` looks like.

```
.text, #text, p{  
    color:rgb(193, 220, 216)  
}
```

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, 220, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 220, 216) }
```

Border

The CSS property to change the border of an element to Yxy 67.4817, 0.2965, 0.3336 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, 220, 216) }
```

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

```
.border{ border-color:rgb(193, 220, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 220, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 220, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 220, 216);  
box-shadow:4px 4px 4px 4px rgb(193, 220,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 67.4817, 0.2965, 0.3336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 220, 216) }
```

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

```
.background{ background-color: rgb(193,  
220, 216) }
```

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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