

Converting Colors

$Yxy(65.0195, 0.2915, 0.3397)$

Have a look what the booklet for
Yxy(65.0195, 0.2915, 0.3397)
contains.

Yxy(65.0195, 0.2915, 0.3397)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(65.0195, 0.2915, 0.3397)

Conversions

Conversions Part 1

Format	Color
Hex	B4DBD2
RGB	180, 219, 210
RGB Percent	71%, 86%, 82%
CMY	0.2940, 0.1412, 0.1764
CMYK	0.18, 0.00, 0.04, 0.14
HSL	166°, 35%, 78%
HSV	166°, 18%, 86%
XYZ	55.7939, 65.0195, 70.5893
YIQ	206.3130, -20.3550, -11.0670

Conversions

Conversions Part 2

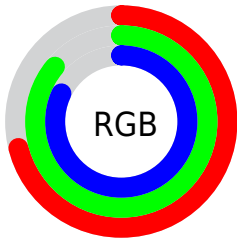
Format	Color
R _{YB}	180, 202, 219
Decimal	11852754
CIE Lab	84.49, -14.51, 0.17
CIE LCh	84, 14.512, 179.336
Yxy	65.0195, 0.2915, 0.3397
Android (android.graphics.Color)	4290042834 (0xFFB4DBD2)
YUV	206.3130, 1.8177, -23.0765
Hunter-Lab	80.6347, -17.6004, 4.5405

Details

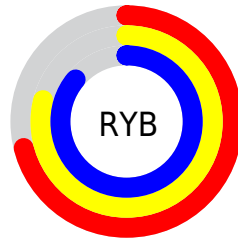
The Yxy color **65.0195, 0.2915, 0.3397** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.3917, 0.3393, 0.3186**, and the grayscale version is **61.9362, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5729, 0.3011, 0.3290**, and **33.4632, 0.2862, 0.3417** is the 20% darker color. If you saturate the color by 10%, you get **62.3497, 0.2805, 0.3465**, and if you desaturate by 10%, it is **68.1179, 0.3032, 0.3335**.

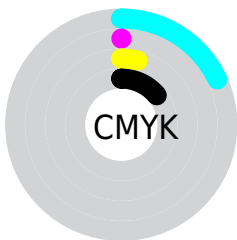
Distribution



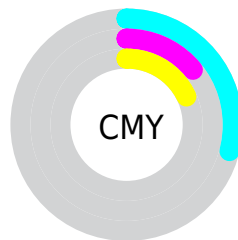
- Red (71%)
- Green (86%)
- Blue (82%)



- Red (71%)
- Yellow (79%)
- Blue (86%)



- Cyan (18%)
- Magenta (0%)
- Yellow (4%)
- Black (14%)





- Cyan (29%)
- Magenta (14%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.0195, 0.2915, 0.3397 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 65.0195, 0.2915, 0.3397 by changing the saturation by 10% instead.


 65.0195, 0.2915,
0.3397

 65.0195, 0.2915,
0.3397


442.8620, 0.3015,
0.3347

 47.4769, 0.2892,
0.3409


 112.0779, 0.2950,
0.3379

 33.4128, 0.2862,
0.3423

142.3625, 0.2964,
0.3372

 22.4429, 0.2825,
0.3442


177.6631, 0.2975,
0.3367

 14.1827, 0.2775,
0.3467

218.3643, 0.2985,
0.3362

 8.2478, 0.2706,
0.3502

264.8504, 0.2994,
0.3357

 4.2539, 0.2604,
0.3554

317.5058, 0.3002,

 1.8166, 0.2435,

0.3353

0.3640

376.7149, 0.3009,
0.3350

0.4975, 0.1035,
0.4341

0.0000, 0.0000,
0.0000

65.0195, 0.2915,
0.3397

65.0195, 0.2915,
0.3397

62.3497, 0.2805,
0.3465

68.1179, 0.3032,
0.3335

60.0810, 0.2706,
0.3539


71.6550, 0.3154,
0.3278


58.1948, 0.2619,
0.3617

75.6508, 0.3279,
0.3227

56.6683, 0.2549,
0.3699

77.6457, 0.3311,
0.3179


 55.4758, 0.2498,
0.3783


 77.9339, 0.3276,
0.3129


 54.5885, 0.2465,
0.3869

 78.2304, 0.3242,
0.3080

 53.9722, 0.2453,
0.3954

 78.5353, 0.3208,
0.3031

 53.5797, 0.2458,
0.4039

 78.8485, 0.3174,
0.2983

 53.5066, 0.2461,
0.4058

 79.1407, 0.3144,
0.2940

Harmonies

Analogous

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



65.0195, 0.3081, 0.3539



65.0195, 0.2915, 0.3397



65.0195, 0.2807, 0.3228

Triad

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



65.0195, 0.2915, 0.3397



65.0195, 0.2985, 0.2991



65.0195, 0.3484, 0.3484

Complementary

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



65.0195, 0.2915, 0.3397



51.3917, 0.3393, 0.3186

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.



65.0195, 0.3458, 0.3337



65.0195, 0.2915, 0.3397



65.0195, 0.3166, 0.3059

Square

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



65.0195, 0.2915, 0.3397



65.0195, 0.2846, 0.2998



65.0195, 0.3340, 0.3183



65.0195, 0.3412, 0.3585

Rectangle

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



65.0195, 0.2915, 0.3397



65.0195, 0.2780, 0.3126



65.0195, 0.3340, 0.3183



65.0195, 0.3487, 0.3438

Sweetspot

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



65.0222, 0.2915, 0.3397



97.4736, 0.3066, 0.3318



64.7926, 0.3170, 0.3762



20.7901, 0.3057, 0.3323



0.0000, 0.0000, 0.0000



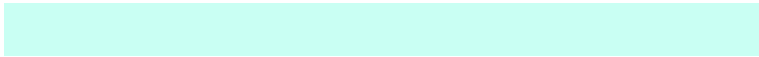
21.4041, 0.3127, 0.3290

Same Dimension

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



65.0222, 0.2915, 0.3397



90.4501, 0.2877, 0.3420



60.2300, 0.2854, 0.3165



14.7755, 0.3013, 0.3344



31.7458, 0.2457, 0.4045



2.0694, 0.2419, 0.3907

Inverse Universe

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



51.3917, 0.3393, 0.3186



68.0881, 0.3456, 0.3165



55.3678, 0.3449, 0.3412



13.1005, 0.3256, 0.3236



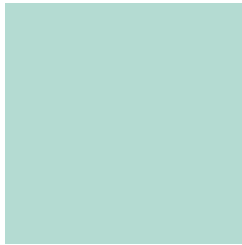
9.0830, 0.5979, 0.3067



0.6017, 0.5515, 0.2812

Previews

White Background



This preview shows how the Yxy color 65.0195, 0.2915, 0.3397 looks on a white background.

Color Contrast Check

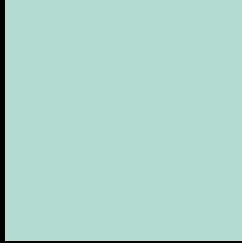
Large Text (above 18pt) WCAG AA × Fail

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 65.0195, 0.2915, 0.3397 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

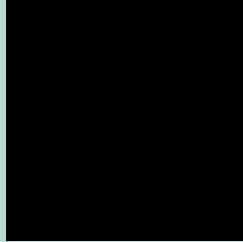
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

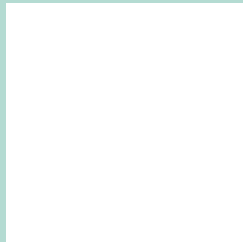
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.0195, 0.2915, 0.3397

Background



This preview shows how black text looks on a background with the Yxy color 65.0195, 0.2915, 0.3397.

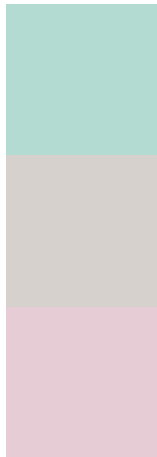


This preview shows how white text looks on a background with the Yxy color 65.0195, 0.2915, 0.3397.

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

65.0195, 0.2915, 0.3397

Protanopia

64.4558, 0.3200, 0.3336

Deuteranopia

64.6478, 0.3255, 0.3192



Tritanopia

65.1853, 0.2801, 0.3093

Trichromacy



Original Color

65.0195, 0.2915, 0.3397

Protanomaly

64.6501, 0.3087, 0.3359

Deuteranomaly

64.2033, 0.3121, 0.3256

Tritanomaly

65.1292, 0.2842, 0.3196

Monochromacy



Original Color

65.0195, 0.2915, 0.3397

Achromatopsia

61.7207, 0.3127, 0.3290

Achromatomaly

62.9638, 0.3052, 0.3337

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.0195, 0.2915, 0.3397 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(180, 219, 210)` looks like.

```
.text, #text, p{  
    color:rgb(180, 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(180, 219, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 219, 210) }
```

Border

The CSS property to change the border of an element to Yxy 65.0195, 0.2915, 0.3397 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(180, 219, 210) }
```

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

```
.border{ border-color:rgb(180, 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(180, 219, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 219, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 219, 210);  
box-shadow:4px 4px 4px 4px rgb(180, 219,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 65.0195, 0.2915, 0.3397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 219, 210) }
```

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

```
.background{ background-color: rgb(180,  
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