

Converting Colors

$Yxy(65.4689, 0.2904, 0.3400)$

Have a look what the booklet for
Yxy(65.4689, 0.2904, 0.3400)
contains.

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Color

Yxy(65.4733, 0.2903, 0.3397)

Conversions

Conversions Part 1

Format	Color
Hex	B3DCD3
RGB	179, 220, 211
RGB Percent	70%, 86%, 83%
CMY	0.2978, 0.1373, 0.1726
CMYK	0.19, 0.00, 0.04, 0.14
HSL	167°, 37%, 78%
HSV	167°, 19%, 86%
XYZ	55.9520, 65.4733, 71.3133
YIQ	206.7150, -21.5470, -11.4910

Conversions

Conversions Part 2

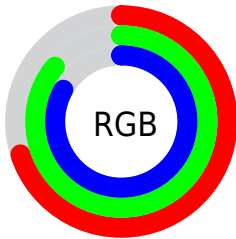
Format	Color
R _{YB}	179, 202, 220
Decimal	11787475
CIE Lab	84.73, -15.12, -0.02
CIE LCh	85, 15.122, 180.074
Yxy	65.4733, 0.2903, 0.3397
Android (android.graphics.Color)	4289977555 (0xFFB3DCD3)
YUV	206.7150, 2.1125, -24.3061
Hunter-Lab	80.9156, -18.1719, 4.3869

Details

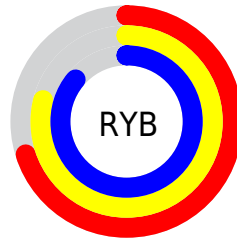
The Yxy color **65.4733, 0.2903, 0.3397** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.1144, 0.3411, 0.3186**, and the grayscale version is **62.2091, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **33.7802, 0.2847, 0.3417** is the 20% darker color. If you saturate the color by 10%, you get **62.8204, 0.2793, 0.3462**, and if you desaturate by 10%, it is **68.5571, 0.3021, 0.3337**.

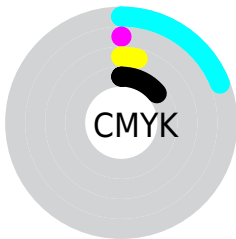
Distribution



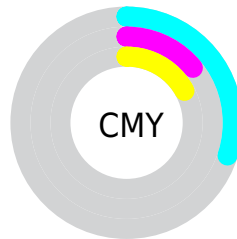
- Red (70%)
- Green (86%)
- Blue (83%)



- Red (70%)
- Yellow (79%)
- Blue (86%)



- Cyan (19%)
- Magenta (0%)
- Yellow (4%)
- Black (14%)



- Cyan (30%)
- Magenta (14%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.4733, 0.2903, 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 65.4733, 0.2903, 0.3397 by changing the saturation by 10% instead.


 65.4733, 0.2903,
0.3397

 65.4733, 0.2903,
0.3397

444.4909, 0.3009,
0.3347

 47.8450, 0.2878,
0.3409


 112.7300, 0.2940,
0.3379

 33.7041, 0.2848,
0.3423


143.1272, 0.2954,
0.3373

 22.6664, 0.2808,
0.3442


178.5495, 0.2967,
0.3367

 14.3474, 0.2756,
0.3467

219.3813, 0.2977,
0.3362

 8.3627, 0.2684,
0.3501

266.0069, 0.2987,
0.3357

 4.3279, 0.2577,
0.3552

318.8107, 0.2995,

 1.8586, 0.2402,

0.3353

0.3635

378.1773, 0.3002,
0.3350

■ 0.5233, 0.1049,
0.4280

■ 0.0000, 0.0000,
0.0000

■ 65.4733, 0.2903,
0.3397

■ 65.4733, 0.2903,
0.3397

■ 62.8204, 0.2793,
0.3462

■ 68.5571, 0.3021,
0.3337

■ 60.5704, 0.2693,
0.3533

■ 72.0823, 0.3145,
0.3283

■ 58.7047, 0.2607,
0.3607

■ 76.0690, 0.3270,
0.3234

■ 57.1997, 0.2538,
0.3685

■ 78.1735, 0.3309,
0.3187

■ 56.0295, 0.2486,
0.3765

■ 78.4495, 0.3276,
0.3140

■ 55.1644, 0.2455,
0.3847

■ 78.7330, 0.3243,
0.3093

■ 54.5695, 0.2443,
0.3928

■ 79.0242, 0.3210,
0.3046

■ 54.1921, 0.2449,
0.4008

■ 79.3232, 0.3178,
0.3000

■ 54.1463, 0.2450,
0.4019

■ 79.6299, 0.3146,
0.2954

Harmonies

Analogous

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



65.4733, 0.3074, 0.3546



65.4733, 0.2903, 0.3397



65.4733, 0.2793, 0.3221

Triad

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



65.4733, 0.2903, 0.3397



65.4733, 0.2984, 0.2981



65.4733, 0.3498, 0.3495

Complementary

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



65.4733, 0.2903, 0.3397



51.1144, 0.3411, 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.



65.4733, 0.3473, 0.3343



65.4733, 0.2903, 0.3397



65.4733, 0.3172, 0.3052

Square

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



65.4733, 0.2903, 0.3397



65.4733, 0.2838, 0.2986



65.4733, 0.3353, 0.3183



65.4733, 0.3420, 0.3599

Rectangle

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



65.4733, 0.2903, 0.3397



65.4733, 0.2767, 0.3115



65.4733, 0.3353, 0.3183



65.4733, 0.3501, 0.3448

Sweetspot

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



65.4760, 0.2903, 0.3397



96.9981, 0.3052, 0.3323



65.2085, 0.3172, 0.3786



20.6946, 0.3044, 0.3326



0.0000, 0.0000, 0.0000



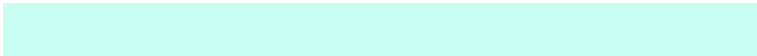
21.4041, 0.3127, 0.3290

Same Dimension

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



65.4760, 0.2903, 0.3397



90.0996, 0.2862, 0.3420



60.3973, 0.2842, 0.3158



14.7780, 0.3011, 0.3342



31.7983, 0.2446, 0.4007



2.0724, 0.2410, 0.3876

Inverse Universe

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



51.1144, 0.3411, 0.3186



66.7755, 0.3480, 0.3165



55.2895, 0.3466, 0.3418



13.0981, 0.3257, 0.3239



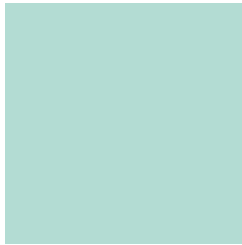
9.0706, 0.6010, 0.3085



0.6006, 0.5550, 0.2831

Previews

White Background



This preview shows how the Yxy color 65.4733, 0.2903, 0.3397 looks on a white background.

Color Contrast Check

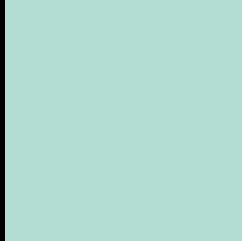
Large Text (above 18pt) WCAG AA × Fail

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 65.4733, 0.2903, 0.3397 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

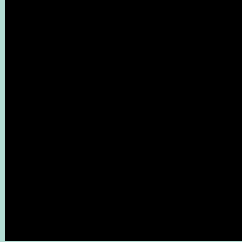
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

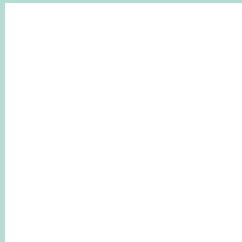
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.4733, 0.2903, 0.3397

Background



This preview shows how black text looks on a background with the Yxy color 65.4733, 0.2903, 0.3397.



This preview shows how white text looks on a background with the Yxy color 65.4733, 0.2903, 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

65.4733, 0.2903, 0.3397

Protanopia

65.0999, 0.3207, 0.3347

Deuteranopia

64.8638, 0.3255, 0.3182



Tritanopia

65.6335, 0.2789, 0.3093

Trichromacy



Original Color

65.4733, 0.2903, 0.3397

Protanomaly

65.2946, 0.3094, 0.3371

Deuteranomaly

64.7462, 0.3114, 0.3256

Tritanomaly

65.5789, 0.2831, 0.3196

Monochromacy



Original Color

65.4733, 0.2903, 0.3397

Achromatopsia

62.3960, 0.3127, 0.3290

Achromatomaly

63.5114, 0.3045, 0.3337

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.4733, 0.2903, 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(179, 220, 211)` looks like.

```
.text, #text, p{  
    color:rgb(179, 220, 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(179, 220, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 220, 211) }
```

Border

The CSS property to change the border of an element to Yxy 65.4733, 0.2903, 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(179, 220, 211) }
```

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

```
.border{ border-color:rgb(179, 220, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 220, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(179, 220, 211); -webkit-box-shadow:4px 4px 4px 4px rgb(179, 220, 211); box-shadow:4px 4px 4px 4px rgb(179, 220, 211) }
```


Background

The CSS property to change the background color of an element to Yxy 65.4733, 0.2903, 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(179, 220, 211) }
```

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

```
.background{ background-color: rgb(179,  
220, 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](#).

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