

Converting Colors

$Yxy(63.3189, 0.2893, 0.3354)$

Have a look what the booklet for
Yxy(63.3189, 0.2893, 0.3354)
contains.

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Color

Yxy(63.2799, 0.2894, 0.3350)

Conversions

Conversions Part 1

Format	Color
Hex	B2D8D3
RGB	178, 216, 211
RGB Percent	70%, 85%, 83%
CMY	0.3021, 0.1529, 0.1726
CMYK	0.18, 0.00, 0.02, 0.15
HSL	172°, 33%, 77%
HSV	172°, 18%, 85%
XYZ	54.6663, 63.2799, 70.9490
YIQ	204.0680, -21.0430, -9.6110

Conversions

Conversions Part 2

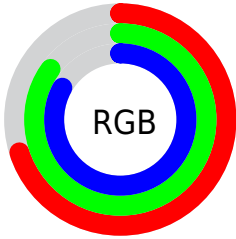
Format	Color
RYB	178, 198, 216
Decimal	11720915
CIELab	83.59, -13.45, -1.68
CIELCh	84, 13.558, 187.138
Yxy	63.2799, 0.2894, 0.3350
Android (android.graphics.Color)	4289910995 (0xFFB2D8D3)
YUV	204.0680, 3.4175, -22.8616
Hunter-Lab	79.5487, -16.5440, 2.8036

Details

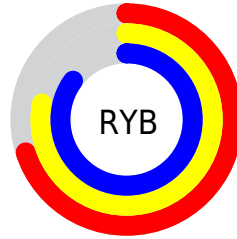
The Yxy color **63.2799, 0.2894, 0.3350** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.8481, 0.3422, 0.3231**, and the grayscale version is **60.4140, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2324, 0.2999, 0.3290**, and **32.2840, 0.2835, 0.3354** is the 20% darker color. If you saturate the color by 10%, you get **60.7839, 0.2773, 0.3388**, and if you desaturate by 10%, it is **66.1860, 0.3024, 0.3315**.

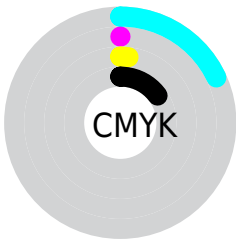
Distribution



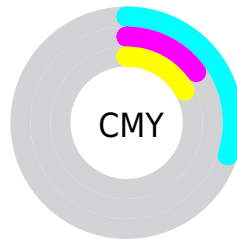
- Red (70%)
- Green (85%)
- Blue (83%)



- Red (70%)
- Yellow (78%)
- Blue (85%)



- Cyan (18%)
- Magenta (0%)
- Yellow (2%)
- Black (15%)





- Cyan (30%)
- Magenta (15%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.2799, 0.2894, 0.3350 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 63.2799, 0.2894, 0.3350 by changing the saturation by 10% instead.

 63.2799, 0.2894,
0.3350

 63.2799, 0.2894,
0.3350


436.5846, 0.3004,
0.3322

 46.0677, 0.2868,
0.3356


 109.5732, 0.2933,
0.3340

 32.2992, 0.2836,
0.3364


139.4231, 0.2948,
0.3337

 21.5902, 0.2795,
0.3374


174.2544, 0.2960,
0.3333

 13.5561, 0.2740,
0.3387

214.4513, 0.2972,
0.3331

 7.8126, 0.2663,
0.3405

260.3985, 0.2981,
0.3328

 3.9752, 0.2549,
0.3431

312.4801, 0.2990,

 1.6597, 0.2362,

0.3326

371.0807, 0.2997,
0.3324

0.3471

0.3974, 0.0494,
0.3985

0.0000, 0.0000,
0.0000

63.2799, 0.2894,
0.3350

63.2799, 0.2894,
0.3350

60.7839, 0.2773,
0.3388

66.1860, 0.3024,
0.3315

58.6713, 0.2663,
0.3429

69.5120, 0.3160,
0.3283

56.9245, 0.2568,
0.3473

73.2768, 0.3299,
0.3254

55.5213, 0.2490,
0.3518

75.6749, 0.3370,
0.3226

■ 54.4372, 0.2430,
0.3564

■ 75.8297, 0.3349,
0.3198

■ 53.6442, 0.2390,
0.3610

■ 75.9872, 0.3329,
0.3169

■ 53.1098, 0.2369,
0.3657

■ 76.1473, 0.3309,
0.3141

■ 52.7888, 0.2365,
0.3703

■ 76.3100, 0.3289,
0.3113

■ 52.7262, 0.2365,
0.3714

■ 76.4753, 0.3269,
0.3085

Harmonies

Analogous

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



63.2799, 0.3040, 0.3495



63.2799, 0.2894, 0.3350



63.2799, 0.2811, 0.3192

Triad

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



63.2799, 0.2894, 0.3350



63.2799, 0.3036, 0.3018



63.2799, 0.3454, 0.3504

Complementary

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



63.2799, 0.2894, 0.3350



49.8481, 0.3422, 0.3231

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.



63.2799, 0.3454, 0.3373



63.2799, 0.2894, 0.3350



63.2799, 0.3209, 0.3098

Square

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



63.2799, 0.2894, 0.3350



63.2799, 0.2891, 0.3006



63.2799, 0.3364, 0.3226



63.2799, 0.3365, 0.3582

Rectangle

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



63.2799, 0.2894, 0.3350



63.2799, 0.2800, 0.3103



63.2799, 0.3364, 0.3226



63.2799, 0.3465, 0.3465

Sweetspot

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



63.2825, 0.2894, 0.3350



97.5534, 0.3058, 0.3306



62.4044, 0.3142, 0.3761



20.8096, 0.3049, 0.3309



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.



63.2825, 0.2894, 0.3350



90.7723, 0.2849, 0.3363



56.6909, 0.2855, 0.3119



14.0783, 0.3000, 0.3321



31.2155, 0.2363, 0.3707



1.8908, 0.2341, 0.3627

Inverse Universe

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



49.8481, 0.3422, 0.3231



67.8237, 0.3497, 0.3218



55.4776, 0.3437, 0.3455



12.4473, 0.3270, 0.3259



8.7013, 0.6220, 0.3200



0.5338, 0.5827, 0.2984

Previews

White Background



This preview shows how the Yxy color 63.2799, 0.2894, 0.3350 looks on a white background.

Color Contrast Check

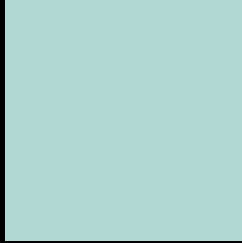
Large Text (above 18pt) WCAG AA × Fail

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 63.2799, 0.2894, 0.3350 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

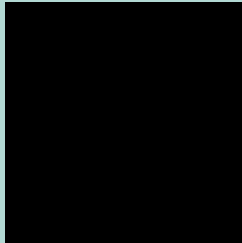
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

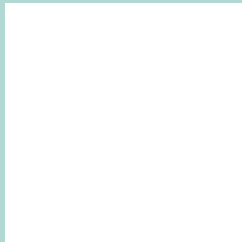
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.2799, 0.2894, 0.3350

Background



This preview shows how black text looks on a background with the Yxy color 63.2799, 0.2894, 0.3350.

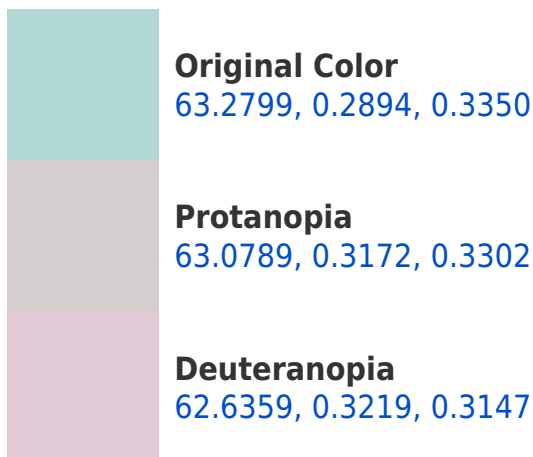


This preview shows how white text looks on a background with the Yxy color 63.2799, 0.2894, 0.3350.

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





Tritanopia

63.2468, 0.2803, 0.3090

Trichromacy



Original Color

63.2799, 0.2894, 0.3350

Protanomaly

62.9266, 0.3067, 0.3313

Deuteranomaly

62.3566, 0.3093, 0.3210

Tritanomaly

63.2446, 0.2839, 0.3183

Monochromacy



Original Color

63.2799, 0.2894, 0.3350

Achromatopsia

60.3827, 0.3127, 0.3290

Achromatomaly

61.2188, 0.3038, 0.3302

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.2799, 0.2894, 0.3350 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(178, 216, 211)` looks like.

```
.text, #text, p{  
    color:rgb(178, 216, 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(178, 216, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 216, 211) }
```

Border

The CSS property to change the border of an element to Yxy 63.2799, 0.2894, 0.3350 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(178, 216, 211) }
```

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

```
.border{ border-color:rgb(178, 216, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 216, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 216, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 216, 211);  
box-shadow:4px 4px 4px 4px rgb(178, 216,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 63.2799, 0.2894, 0.3350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 216, 211) }
```

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

```
.background{ background-color: rgb(178,  
216, 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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