

Converting Colors

$Y_{xy}(63.3200, 0.2940, 0.3426)$

Have a look what the booklet for
Yxy(63.3200, 0.2940, 0.3426)
contains.

Yxy(63.1032, 0.2938, 0.3423)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(63.1032, 0.2938, 0.3423)

Conversions

Conversions Part 1

Format	Color
Hex	B3D8CD
RGB	179, 216, 205
RGB Percent	70%, 85%, 80%
CMY	0.2981, 0.1529, 0.1961
CMYK	0.17, 0.00, 0.05, 0.15
HSL	162°, 32%, 77%
HSV	162°, 17%, 85%
XYZ	54.1622, 63.1032, 67.0852
YIQ	203.6830, -18.5210, -11.2650

Conversions

Conversions Part 2

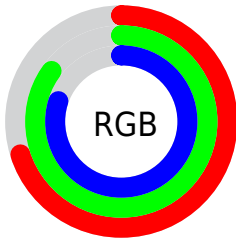
Format	Color
RYB	179, 201, 216
Decimal	11786445
CIELab	83.50, -14.33, 1.36
CIELCh	83, 14.399, 174.573
Yxy	63.1032, 0.2938, 0.3423
Android (android.graphics.Color)	4289976525 (0xFFB3D8CD)
YUV	203.6830, 0.6493, -21.6470
Hunter-Lab	79.4375, -17.3106, 5.5357

Details

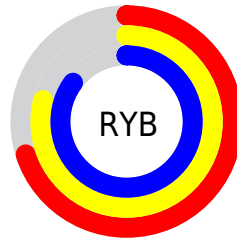
The Yxy color **63.1032, 0.2938, 0.3423** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.5494, 0.3360, 0.3161**, and the grayscale version is **60.1768, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **32.1597, 0.2891, 0.3452** is the 20% darker color. If you saturate the color by 10%, you get **60.4271, 0.2835, 0.3511**, and if you desaturate by 10%, it is **66.2004, 0.3047, 0.3343**.

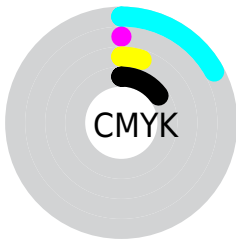
Distribution



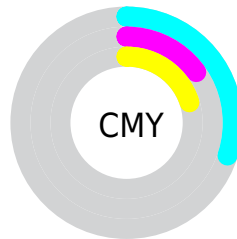
- Red (70%)
- Green (85%)
- Blue (80%)



- Red (70%)
- Yellow (79%)
- Blue (85%)



- Cyan (17%)
- Magenta (0%)
- Yellow (5%)
- Black (15%)





- Cyan (30%)
- Magenta (15%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.1032, 0.2938, 0.3423 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 63.1032, 0.2938, 0.3423 by changing the saturation by 10% instead.

 63.1032, 0.2938,
0.3423

 63.1032, 0.2938,
0.3423


435.9439, 0.3028,
0.3360

 45.9247, 0.2917,
0.3438


 109.3184, 0.2970,
0.3401

 32.1864, 0.2890,
0.3457


139.1239, 0.2982,
0.3392

 21.5039, 0.2856,
0.3481


173.9071, 0.2992,
0.3385

 13.4928, 0.2810,
0.3514

214.0525, 0.3001,
0.3378

 7.7688, 0.2746,
0.3560

259.9445, 0.3009,
0.3373

 3.9474, 0.2650,
0.3630

311.9675, 0.3016,

 1.6442, 0.2489,

0.3368

0.3749

370.5058, 0.3022,
0.3363

0.3871, 0.0246,
0.5293

0.0000, 0.0000,
0.0000

63.1032, 0.2938,
0.3423

63.1032, 0.2938,
0.3423

60.4271, 0.2835,
0.3511

66.2004, 0.3047,
0.3343

58.1453, 0.2742,
0.3607


69.7286, 0.3160,
0.3270


56.2402, 0.2661,
0.3709

73.7068, 0.3274,
0.3205

54.6896, 0.2596,
0.3816

76.1281, 0.3311,
0.3144

 53.4688, 0.2548,
0.3928

 76.4969, 0.3266,
0.3081

 52.5500, 0.2520,
0.4041


 76.8791, 0.3222,
0.3019

 51.9007, 0.2512,
0.4154

 77.2749, 0.3179,
0.2958

 51.4778, 0.2523,
0.4266

 77.5965, 0.3145,
0.2910

 51.3775, 0.2527,
0.4298

Harmonies

Analogous

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



63.1032, 0.3110, 0.3556



63.1032, 0.2938, 0.3423



63.1032, 0.2818, 0.3254

Triad

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



63.1032, 0.2938, 0.3423



63.1032, 0.2959, 0.2986



63.1032, 0.3488, 0.3463

Complementary

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



63.1032, 0.2938, 0.3423



50.5494, 0.3360, 0.3161

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.



63.1032, 0.3446, 0.3312



63.1032, 0.2938, 0.3423



63.1032, 0.3136, 0.3043

Square

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



63.1032, 0.2938, 0.3423



63.1032, 0.2830, 0.3006



63.1032, 0.3315, 0.3161



63.1032, 0.3430, 0.3574

Rectangle

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



63.1032, 0.2938, 0.3423



63.1032, 0.2782, 0.3148



63.1032, 0.3315, 0.3161



63.1032, 0.3485, 0.3415

Sweetspot

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



63.1058, 0.2938, 0.3423



97.4199, 0.3070, 0.3327



63.3289, 0.3187, 0.3741



20.7770, 0.3062, 0.3332



0.0000, 0.0000, 0.0000



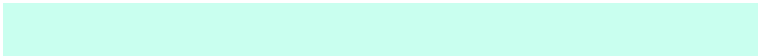
21.4041, 0.3127, 0.3290

Same Dimension

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



63.1058, 0.2938, 0.3423



90.2370, 0.2895, 0.3458



59.9462, 0.2866, 0.3200



14.0421, 0.3022, 0.3360



30.4271, 0.2522, 0.4281



1.8495, 0.2469, 0.4088

Inverse Universe

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



50.5494, 0.3360, 0.3161



68.2721, 0.3428, 0.3129



53.1347, 0.3440, 0.3378



12.4809, 0.3245, 0.3221



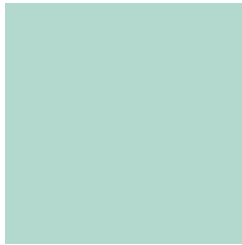
8.8781, 0.5758, 0.2946



0.5499, 0.5260, 0.2671

Previews

White Background



This preview shows how the Yxy color 63.1032, 0.2938, 0.3423 looks on a white background.

Color Contrast Check

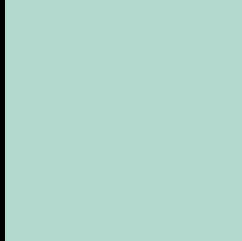
Large Text (above 18pt) WCAG AA × Fail

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 63.1032, 0.2938, 0.3423 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

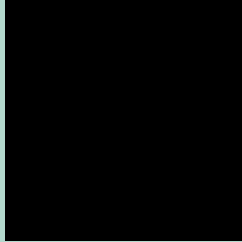
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

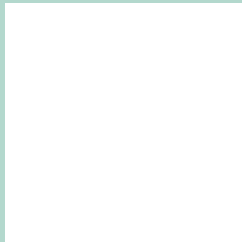
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.1032, 0.2938, 0.3423

Background



This preview shows how black text looks on a background with the Yxy color 63.1032, 0.2938, 0.3423.

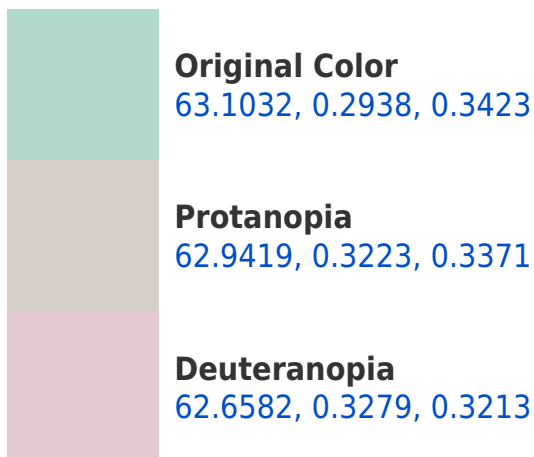


This preview shows how white text looks on a background with the Yxy color 63.1032, 0.2938, 0.3423.

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

62.8114, 0.2815, 0.3090

Trichromacy



Original Color

63.1032, 0.2938, 0.3423

Protanomaly

62.7750, 0.3115, 0.3384

Deuteranomaly

62.3492, 0.3150, 0.3279

Tritanomaly

62.7009, 0.2864, 0.3206

Monochromacy



Original Color

63.1032, 0.2938, 0.3423

Achromatopsia

60.3827, 0.3127, 0.3290

Achromatomaly

61.0735, 0.3058, 0.3337

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.1032, 0.2938, 0.3423 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, 216, 205)` looks like.

```
.text, #text, p{  
    color:rgb(179, 216, 205)  
}
```

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, 216, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 216, 205) }
```

Border

The CSS property to change the border of an element to Yxy 63.1032, 0.2938, 0.3423 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, 216, 205) }
```

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

```
.border{ border-color:rgb(179, 216, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 216, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 216, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 216, 205);  
box-shadow:4px 4px 4px 4px rgb(179, 216,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 63.1032, 0.2938, 0.3423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 216, 205) }
```

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

```
.background{ background-color: rgb(179,  
216, 205) }
```

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