

Converting Colors

Yxy(58.0630, 0.2969, 0.3351)

Have a look what the booklet for
Yxy(58.0630, 0.2969, 0.3351)
contains.

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Color

Yxy(58.0630, 0.2969, 0.3351)

Conversions

Conversions Part 1

Format	Color
Hex	B4CEC9
RGB	180, 206, 201
RGB Percent	71%, 81%, 79%
CMY	0.2940, 0.1922, 0.2117
CMYK	0.13, 0.00, 0.02, 0.19
HSL	168°, 21%, 76%
HSV	168°, 13%, 81%
XYZ	51.4441, 58.0630, 63.7636
YIQ	197.6560, -13.8910, -7.0670

Conversions

Conversions Part 2

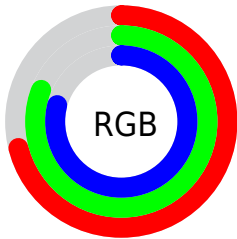
Format	Color
R_{YB}	180, 194, 206
Decimal	11849417
CIE Lab	80.77, -9.65, -0.48
CIE LCh	81, 9.664, 182.825
Yxy	58.0630, 0.2969, 0.3351
Android (android.graphics.Color)	4290039497 (0xFFB4CEC9)
YUV	197.6560, 1.6486, -15.4843
Hunter-Lab	76.1991, -12.8382, 3.7253

Details

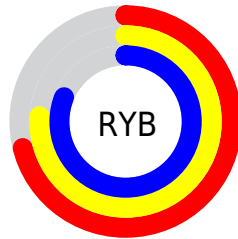
The Yxy color **58.0630, 0.2969, 0.3351** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.2823, 0.3312, 0.3230**, and the grayscale version is **56.2539, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5729, 0.3011, 0.3290**, and **29.0751, 0.2929, 0.3373** is the 20% darker color. If you saturate the color by 10%, you get **55.5899, 0.2851, 0.3405**, and if you desaturate by 10%, it is **60.9132, 0.3094, 0.3302**.

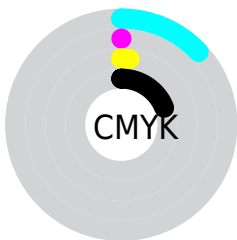
Distribution



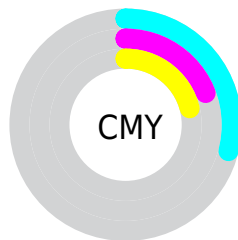
- Red (71%)
- Green (81%)
- Blue (79%)



- Red (71%)
- Yellow (76%)
- Blue (81%)



- Cyan (13%)
- Magenta (0%)
- Yellow (2%)
- Black (19%)





- Cyan (29%)
- Magenta (19%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.0630, 0.2969, 0.3351 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 58.0630, 0.2969, 0.3351 by changing the saturation by 10% instead.


 58.0630, 0.2969,
0.3351

 58.0630, 0.2969,
0.3351


417.4206, 0.3045,
0.3322

 41.8593, 0.2951,
0.3358

 102.0146, 0.2996,
0.3341

 28.9911, 0.2928,
0.3367


130.5313, 0.3006,
0.3337

 19.0741, 0.2898,
0.3378


163.9211, 0.3015,
0.3333

 11.7238, 0.2858,
0.3393

202.5684, 0.3023,
0.3330

 6.5559, 0.2801,
0.3415

246.8576, 0.3029,
0.3328

 3.1860, 0.2714,
0.3447

297.1731, 0.3035,

 1.2296, 0.2562,

0.3326

0.3504

353.8993, 0.3040,
0.3324

0.0857, 0.0000,
0.4036

0.0000, 0.0000,
0.0000

58.0630, 0.2969,
0.3351

58.0630, 0.2969,
0.3351

55.5899, 0.2851,
0.3405

60.9132, 0.3094,
0.3302

53.4703, 0.2741,
0.3463

64.1484, 0.3223,
0.3258

51.6894, 0.2644,
0.3525

67.7854, 0.3353,
0.3218


50.2284, 0.2562,
0.3590


70.4000, 0.3425,
0.3181

 49.0663, 0.2498,
0.3658


 70.6078, 0.3396,
0.3141


 48.1802, 0.2452,
0.3727


 70.8206, 0.3366,
0.3102


 47.5433, 0.2426,
0.3797

 71.0383, 0.3337,
0.3062

 47.1235, 0.2418,
0.3866

 71.2611, 0.3308,
0.3024

 46.9110, 0.2422,
0.3917

 71.4889, 0.3279,
0.2985

Harmonies

Analogous

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



58.0630, 0.3082, 0.3451



58.0630, 0.2969, 0.3351



58.0630, 0.2899, 0.3236

Triad

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



58.0630, 0.2969, 0.3351



58.0630, 0.3043, 0.3084



58.0630, 0.3371, 0.3436

Complementary

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



58.0630, 0.2969, 0.3351



49.2823, 0.3312, 0.3230

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.



58.0630, 0.3361, 0.3337



58.0630, 0.2969, 0.3351



58.0630, 0.3170, 0.3137

Square

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



58.0630, 0.2969, 0.3351



58.0630, 0.2941, 0.3084



58.0630, 0.3286, 0.3228



58.0630, 0.3314, 0.3499

Rectangle

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



58.0630, 0.2969, 0.3351



58.0630, 0.2885, 0.3167



58.0630, 0.3286, 0.3228



58.0630, 0.3375, 0.3406

Sweetspot

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



58.0654, 0.2969, 0.3351



97.9912, 0.3076, 0.3309



57.7794, 0.3151, 0.3615



20.8957, 0.3066, 0.3312



0.0000, 0.0000, 0.0000



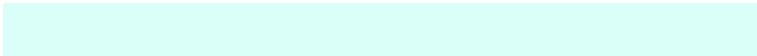
21.4041, 0.3127, 0.3290

Same Dimension

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



58.0654, 0.2969, 0.3351



92.9900, 0.2938, 0.3364



54.6468, 0.2934, 0.3193



12.6887, 0.3009, 0.3335



28.9019, 0.2419, 0.3907



1.5007, 0.2381, 0.3772

Inverse Universe

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



49.2823, 0.3312, 0.3230



76.1433, 0.3357, 0.3217



52.3095, 0.3342, 0.3385



11.2482, 0.3260, 0.3246



8.1831, 0.6079, 0.3123



0.4329, 0.5543, 0.2827

Previews

White Background



This preview shows how the Yxy color 58.0630, 0.2969, 0.3351 looks on a white background.

Color Contrast Check

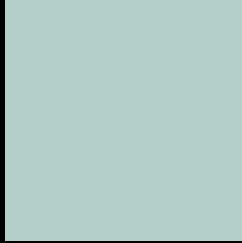
Large Text (above 18pt) WCAG AA × Fail

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 58.0630, 0.2969, 0.3351 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

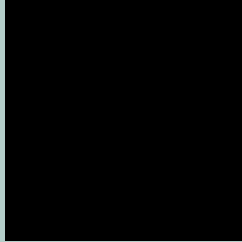
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

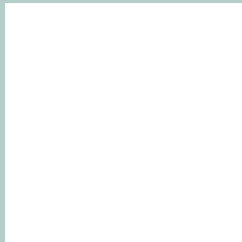
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.0630, 0.2969, 0.3351

Background



This preview shows how black text looks on a background with the Yxy color 58.0630, 0.2969, 0.3351.

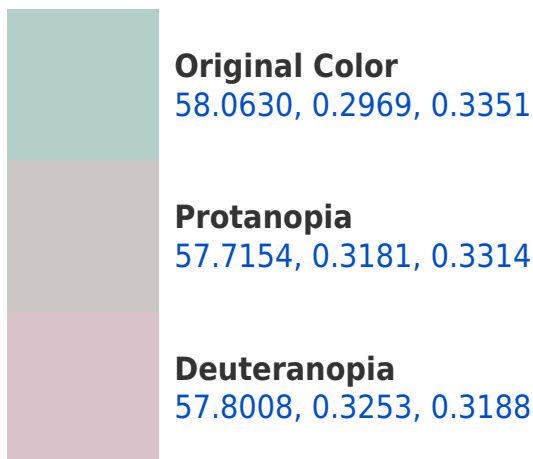


This preview shows how white text looks on a background with the Yxy color 58.0630, 0.2969, 0.3351.

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

57.8936, 0.2871, 0.3097

Trichromacy



Original Color

58.0630, 0.2969, 0.3351

Protanomaly

57.9204, 0.3102, 0.3338

Deuteranomaly

57.4898, 0.3145, 0.3243

Tritanomaly

57.8843, 0.2910, 0.3192

Monochromacy



Original Color

58.0630, 0.2969, 0.3351

Achromatopsia

56.4712, 0.3127, 0.3290

Achromatomaly

56.9732, 0.3065, 0.3314

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.0630, 0.2969, 0.3351 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, 206, 201)` looks like.

```
.text, #text, p{  
    color:rgb(180, 206, 201)  
}
```

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, 206, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 206, 201) }
```

Border

The CSS property to change the border of an element to Yxy 58.0630, 0.2969, 0.3351 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, 206, 201) }
```

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

```
.border{ border-color:rgb(180, 206, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 206, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 206, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 206, 201);  
box-shadow:4px 4px 4px 4px rgb(180, 206,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 58.0630, 0.2969, 0.3351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 206, 201) }
```

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

```
.background{ background-color: rgb(180,  
206, 201) }
```

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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