

Converting Colors

Yxy(64.0658, 0.2931, 0.3485)

Have a look what the booklet for
Yxy(64.0658, 0.2931, 0.3485)
contains.

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Color

Yxy(64.2049, 0.2931, 0.3484)

Conversions

Conversions Part 1

Format	Color
Hex	B0DBC9
RGB	176, 219, 203
RGB Percent	69%, 86%, 80%
CMY	0.3099, 0.1411, 0.2038
CMYK	0.20, 0.00, 0.07, 0.14
HSL	158°, 37%, 77%
HSV	158°, 20%, 86%
XYZ	54.0139, 64.2049, 66.0662
YIQ	204.3190, -20.4920, -14.0920

Conversions

Conversions Part 2

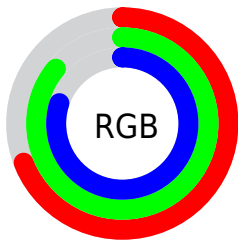
Format	Color
RYB	176, 202, 219
Decimal	11590603
CIELab	84.07, -17.19, 3.22
CIELCh	84, 17.494, 169.392
Yxy	64.2049, 0.2931, 0.3484
Android (android.graphics.Color)	4289780683 (0xFFB0DBC B)
YUV	204.3190, -0.6503, -24.8358
Hunter-Lab	80.1280, -19.8978, 7.2045

Details

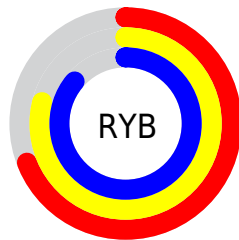
The Yxy color **64.2049, 0.2931, 0.3484** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.9053, 0.3374, 0.3104**, and the grayscale version is **60.6093, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8958, 0.2987, 0.3290**, and **32.9318, 0.2884, 0.3534** is the 20% darker color. If you saturate the color by 10%, you get **61.4801, 0.2839, 0.3598**, and if you desaturate by 10%, it is **67.3672, 0.3029, 0.3380**.

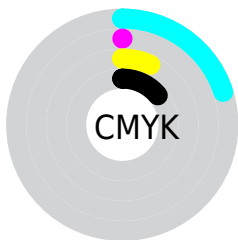
Distribution



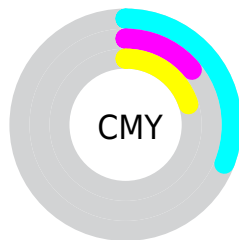
- Red (69%)
- Green (86%)
- Blue (80%)



- Red (69%)
- Yellow (79%)
- Blue (86%)



- Cyan (20%)
- Magenta (0%)
- Yellow (7%)
- Black (14%)





- Cyan (31%)
- Magenta (14%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.2049, 0.2931, 0.3484 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 64.2049, 0.2931, 0.3484 by changing the saturation by 10% instead.

 64.2049, 0.2931,
0.3484

 64.2049, 0.2931,
0.3484


439.9292, 0.3024,
0.3391

 46.8167, 0.2909,
0.3506


 110.9060, 0.2964,
0.3451

 32.8907, 0.2881,
0.3534


140.9876, 0.2977,
0.3438

 22.0428, 0.2846,
0.3570


176.0691, 0.2987,
0.3428

 13.8883, 0.2798,
0.3618

216.5349, 0.2997,
0.3418

 8.0430, 0.2732,
0.3687

262.7695, 0.3005,
0.3410

 4.1225, 0.2631,
0.3791

315.1571, 0.3012,

 1.7423, 0.2463,

0.3403

0.3971

374.0822, 0.3019,
0.3397

0.4508, 0.0121,
0.6216

0.0000, 0.0000,
0.0000

64.2049, 0.2931,
0.3484

64.2049, 0.2931,
0.3484

61.4801, 0.2839,
0.3598

67.3672, 0.3029,
0.3380

59.1648, 0.2756,
0.3721

70.9776, 0.3131,
0.3287

57.2399, 0.2686,
0.3853

75.0565, 0.3234,
0.3204

55.6818, 0.2631,
0.3992

77.9571, 0.3274,
0.3126

■ 54.4641, 0.2594,
0.4135

■ 78.4393, 0.3219,
0.3047

■ 53.5569, 0.2577,
0.4280

■ 78.9433, 0.3165,
0.2970

■ 52.9247, 0.2581,
0.4424

■ 79.1471, 0.3144,
0.2940

■ 52.5070, 0.2602,
0.4564

■ 52.4938, 0.2603,
0.4569

Harmonies

Analogous

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



64.2049, 0.3144, 0.3633



64.2049, 0.2931, 0.3484



64.2049, 0.2774, 0.3281

Triad

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



64.2049, 0.2931, 0.3484



64.2049, 0.2892, 0.2923



64.2049, 0.3564, 0.3467

Complementary

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



64.2049, 0.2931, 0.3484



49.9053, 0.3374, 0.3104

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.



64.2049, 0.3492, 0.3283



64.2049, 0.2931, 0.3484



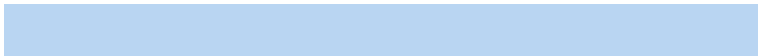
64.2049, 0.3098, 0.2976

Square

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



64.2049, 0.2931, 0.3484



64.2049, 0.2752, 0.2961



64.2049, 0.3319, 0.3106



64.2049, 0.3513, 0.3615

Rectangle

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



64.2049, 0.2931, 0.3484



64.2049, 0.2719, 0.3148



64.2049, 0.3319, 0.3106



64.2049, 0.3553, 0.3408

Sweetspot

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



64.2076, 0.2931, 0.3484



96.8524, 0.3065, 0.3346



65.0686, 0.3221, 0.3809



20.6601, 0.3059, 0.3352



0.0000, 0.0000, 0.0000



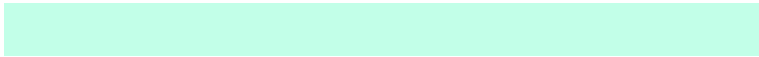
21.4041, 0.3127, 0.3290

Same Dimension

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



64.2076, 0.2931, 0.3484



88.8052, 0.2888, 0.3535



62.4286, 0.2831, 0.3229



14.7433, 0.3031, 0.3378



31.1457, 0.2597, 0.4548



2.0342, 0.2533, 0.4318

Inverse Universe

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



49.9053, 0.3374, 0.3104



64.7392, 0.3447, 0.3059



51.2404, 0.3503, 0.3350



13.1311, 0.3234, 0.3204



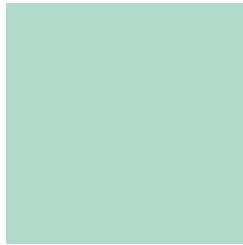
9.3042, 0.5483, 0.2794



0.6191, 0.5036, 0.2548

Previews

White Background



This preview shows how the Yxy color 64.2049, 0.2931, 0.3484 looks on a white background.

Color Contrast Check

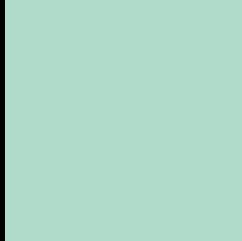
Large Text (above 18pt) WCAG AA × Fail

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 64.2049, 0.2931, 0.3484 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

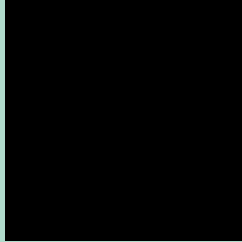
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

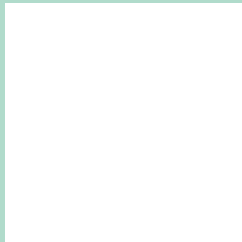
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.2049, 0.2931, 0.3484

Background



This preview shows how black text looks on a background with the Yxy color 64.2049, 0.2931, 0.3484.

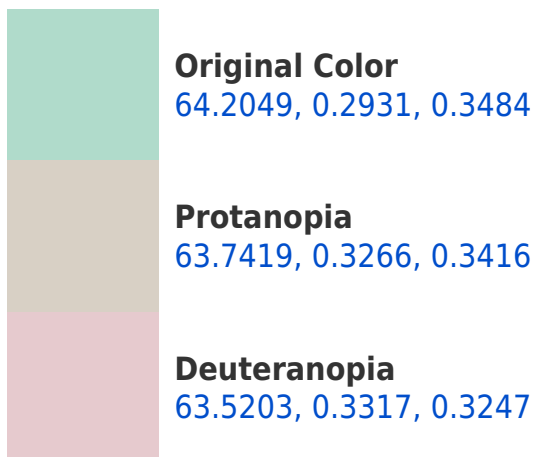


This preview shows how white text looks on a background with the Yxy color 64.2049, 0.2931, 0.3484.

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

64.2508, 0.2787, 0.3091

Trichromacy



Original Color

64.2049, 0.2931, 0.3484

Protanomaly

63.6280, 0.3135, 0.3443

Deuteranomaly

63.2212, 0.3163, 0.3325

Tritanomaly

63.9159, 0.2840, 0.3230

Monochromacy



Original Color

64.2049, 0.2931, 0.3484

Achromatopsia

60.3827, 0.3127, 0.3290

Achromatomaly

61.4299, 0.3050, 0.3349

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.2049, 0.2931, 0.3484 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(176, 219, 203)` looks like.

```
.text, #text, p{  
    color:rgb(176, 219, 203)  
}
```

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(176, 219, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 219, 203) }
```

Border

The CSS property to change the border of an element to Yxy 64.2049, 0.2931, 0.3484 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(176, 219, 203) }
```

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

```
.border{ border-color:rgb(176, 219, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 219, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 219, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 219, 203);  
box-shadow:4px 4px 4px 4px rgb(176, 219,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 64.2049, 0.2931, 0.3484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 219, 203) }
```

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

```
.background{ background-color: rgb(176,  
219, 203) }
```

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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