

Converting Colors

$Yxy(62.1534, 0.2930, 0.3407)$

Have a look what the booklet for
Yxy(62.1534, 0.2930, 0.3407)
contains.

Yxy(61.9659, 0.2931, 0.3399)	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(61.9659, 0.2931, 0.3399)

Conversions

Conversions Part 1

Format	Color
Hex	B2D6CD
RGB	178, 214, 205
RGB Percent	70%, 84%, 80%
CMY	0.3018, 0.1608, 0.1960
CMYK	0.17, 0.00, 0.04, 0.16
HSL	165°, 30%, 77%
HSV	165°, 17%, 84%
XYZ	53.4340, 61.9659, 66.9064
YIQ	202.2100, -18.5670, -10.4310

Conversions

Conversions Part 2

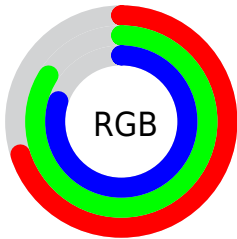
Format	Color
RYB	178, 199, 214
Decimal	11720397
CIELab	82.90, -13.61, 0.48
CIELCh	83, 13.617, 177.995
Yxy	61.9659, 0.2931, 0.3399
Android (android.graphics.Color)	4289910477 (0xFFB2D6CD)
YUV	202.2100, 1.3755, -21.2322
Hunter-Lab	78.7184, -16.5917, 4.7096

Details

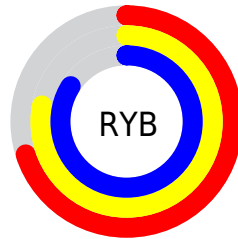
The Yxy color **61.9659, 0.2931, 0.3399** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.7427, 0.3369, 0.3184**, and the grayscale version is **59.2067, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2324, 0.2999, 0.3290**, and **31.3906, 0.2881, 0.3420** is the 20% darker color. If you saturate the color by 10%, you get **59.3768, 0.2823, 0.3472**, and if you desaturate by 10%, it is **64.9639, 0.3046, 0.3332**.

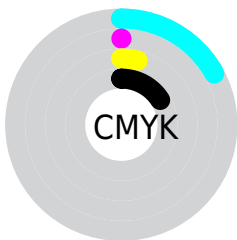
Distribution



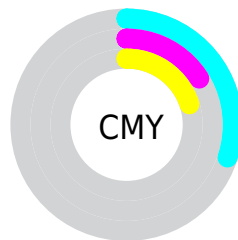
- Red (70%)
- Green (84%)
- Blue (80%)



- Red (70%)
- Yellow (78%)
- Blue (84%)



- Cyan (17%)
- Magenta (0%)
- Yellow (4%)
- Black (16%)





- Cyan (30%)
- Magenta (16%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.9659, 0.2931, 0.3399 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 61.9659, 0.2931, 0.3399 by changing the saturation by 10% instead.


 61.9659, 0.2931,
0.3399

 61.9659, 0.2931,
0.3399


431.8067, 0.3024,
0.3347

 45.0051, 0.2909,
0.3411

 107.6762, 0.2964,
0.3381

 31.4615, 0.2881,
0.3427


137.1946, 0.2977,
0.3374

 20.9505, 0.2846,
0.3447


171.6677, 0.2987,
0.3368

 13.0878, 0.2798,
0.3473

211.4798, 0.2997,
0.3362

 7.4891, 0.2731,
0.3511

257.0153, 0.3005,
0.3358

 3.7698, 0.2630,
0.3568

308.6587, 0.3012,

 1.5456, 0.2461,

0.3354

366.7944, 0.3019,
0.3350

0.3664

0.3205, 0.0000,
0.5038

0.0000, 0.0000,
0.0000

61.9659, 0.2931,
0.3399

61.9659, 0.2931,
0.3399

59.3768, 0.2823,
0.3472

64.9639, 0.3046,
0.3332

57.1704, 0.2724,
0.3552

68.3803, 0.3166,
0.3271

55.3297, 0.2638,
0.3636

72.2336, 0.3287,
0.3217

53.8330, 0.2568,
0.3725


74.8632, 0.3344,
0.3166


 52.6565, 0.2516,
0.3817

 75.1622, 0.3306,
0.3113


 51.7732, 0.2483,
0.3910


 75.4704, 0.3268,
0.3061


 51.1516, 0.2470,
0.4004

 75.7879, 0.3231,
0.3009

 50.7508, 0.2476,
0.4097

 76.1149, 0.3194,
0.2958

 50.6460, 0.2480,
0.4126

 76.4513, 0.3158,
0.2908

Harmonies

Analogous

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



61.9659, 0.3091, 0.3532



61.9659, 0.2931, 0.3399



61.9659, 0.2825, 0.3238

Triad

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



61.9659, 0.2931, 0.3399



61.9659, 0.2985, 0.3003



61.9659, 0.3469, 0.3470

Complementary

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



61.9659, 0.2931, 0.3399



49.7427, 0.3369, 0.3184

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.



61.9659, 0.3439, 0.3329



61.9659, 0.2931, 0.3399



61.9659, 0.3156, 0.3065

Square

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



61.9659, 0.2931, 0.3399



61.9659, 0.2855, 0.3014



61.9659, 0.3324, 0.3182



61.9659, 0.3403, 0.3569

Rectangle

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



61.9659, 0.2931, 0.3399



61.9659, 0.2797, 0.3140



61.9659, 0.3324, 0.3182



61.9659, 0.3469, 0.3426

Sweetspot

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



61.9685, 0.2931, 0.3399



97.4580, 0.3067, 0.3321



61.8750, 0.3172, 0.3732



20.7863, 0.3059, 0.3325



0.0000, 0.0000, 0.0000



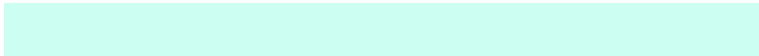
21.4041, 0.3127, 0.3290

Same Dimension

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



61.9685, 0.2931, 0.3399



90.7834, 0.2893, 0.3423



57.9907, 0.2870, 0.3180



14.0524, 0.3016, 0.3349



30.6316, 0.2476, 0.4112



1.8604, 0.2431, 0.3952

Inverse Universe

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



49.7427, 0.3369, 0.3184



69.4423, 0.3429, 0.3161



53.0654, 0.3429, 0.3398



12.4712, 0.3252, 0.3232



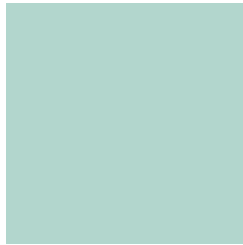
8.8133, 0.5917, 0.3033



0.5450, 0.5418, 0.2758

Previews

White Background



This preview shows how the Yxy color 61.9659, 0.2931, 0.3399 looks on a white background.

Color Contrast Check

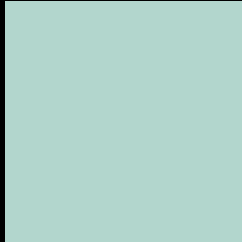
Large Text (above 18pt) WCAG AA × Fail

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 61.9659, 0.2931, 0.3399 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

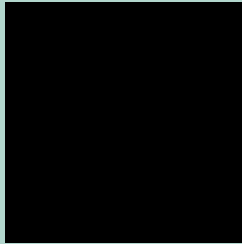
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

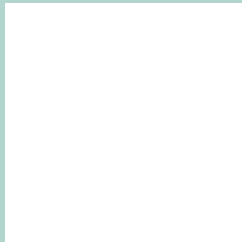
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 61.9659, 0.2931, 0.3399

Background



This preview shows how black text looks on a background with the Yxy color 61.9659, 0.2931, 0.3399.

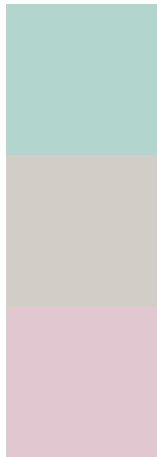


This preview shows how white text looks on a background with the Yxy color 61.9659, 0.2931, 0.3399.

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

61.9659, 0.2931, 0.3399

Protanopia

61.6817, 0.3209, 0.3348

Deuteranopia

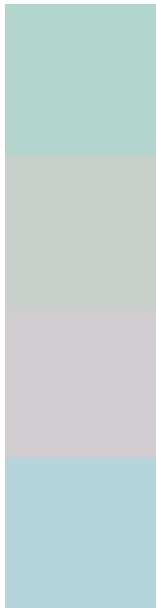
61.4085, 0.3266, 0.3190



Tritanopia

62.0797, 0.2820, 0.3101

Trichromacy



Original Color

61.9659, 0.2931, 0.3399

Protanomaly

61.5181, 0.3101, 0.3361

Deuteranomaly

61.1006, 0.3136, 0.3255

Tritanomaly

62.0252, 0.2863, 0.3206

Monochromacy



Original Color

61.9659, 0.2931, 0.3399

Achromatopsia

59.0619, 0.3127, 0.3290

Achromatomaly

59.7919, 0.3050, 0.3326

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.9659, 0.2931, 0.3399 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, 214, 205)` looks like.

```
.text, #text, p{  
    color:rgb(178, 214, 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(178, 214, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 214, 205) }
```

Border

The CSS property to change the border of an element to Yxy 61.9659, 0.2931, 0.3399 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, 214, 205) }
```

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

```
.border{ border-color:rgb(178, 214, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 214, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 214, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 214, 205);  
box-shadow:4px 4px 4px 4px rgb(178, 214,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 61.9659, 0.2931, 0.3399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 214, 205) }
```

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

```
.background{ background-color: rgb(178,  
214, 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