

Converting Colors

$Yxy(62.6983, 0.2842, 0.3141)$

Have a look what the booklet for
Yxy(62.6983, 0.2842, 0.3141)
contains.

| | |
|--|----|
| Yxy(62.5905, 0.2839, 0.3136) | 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(62.5905, 0.2839, 0.3136)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | B7D4E1 |
| RGB | 183, 212, 225 |
| RGB Percent | 72%, 83%, 88% |
| CMY | 0.2824, 0.1686, 0.1176 |
| CMYK | 0.19, 0.06, 0.00, 0.12 |
| HSL | 199°, 41%, 80% |
| HSV | 199°, 19%, 88% |
| XYZ | 56.6628, 62.5905, 80.3338 |
| YIQ | 204.8110, -21.4570, -2.1050 |

Conversions

Conversions Part 2

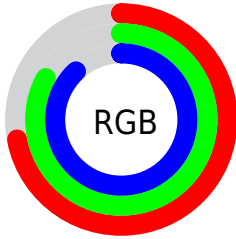
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 183, 200, 225 |
| Decimal | 12047585 |
| CIE _{Lab} | 83.23, -6.89, -9.64 |
| CIE _{LCh} | 83, 11.848, 234.462 |
| Yxy | 62.5905, 0.2839, 0.3136 |
| Android (android.graphics.Color) | 4290237665 (0xFFB7D4E1) |
| YUV | 204.8110, 9.9532, -19.1282 |
| Hunter-Lab | 79.1142, -10.6054, -4.8241 |

Details

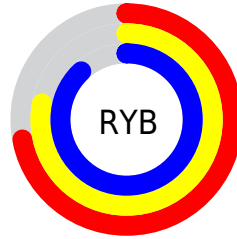
The Yxy color **62.5905, 0.2839, 0.3136** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **58.9091, 0.3464, 0.3439**, and the grayscale version is **60.8713, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0907, 0.3029, 0.3290**, and **31.6833, 0.2762, 0.3085** is the 20% darker color. If you saturate the color by 10%, you get **56.6432, 0.2687, 0.3042**, and if you desaturate by 10%, it is **69.1342, 0.2994, 0.3222**.

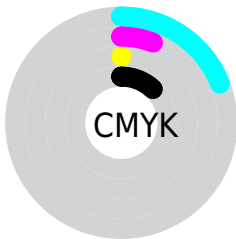
Distribution



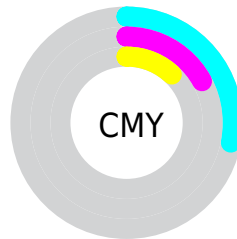
- Red (72%)
- Green (83%)
- Blue (88%)



- Red (72%)
- Yellow (78%)
- Blue (88%)



- Cyan (19%)
- Magenta (6%)
- Yellow (0%)
- Black (12%)



- Cyan (28%)
- Magenta (17%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 62.5905, 0.2839, 0.3136 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 62.5905, 0.2839, 0.3136 by changing the saturation by 10% instead.

■ 62.5905, 0.2839,
0.3136

■ 62.5905, 0.2839,
0.3136

434.0818, 0.2975,
0.3210

■ 45.5100, 0.2807,
0.3118

■ 108.5785, 0.2887,
0.3162

■ 31.8593, 0.2768,
0.3096

138.2548, 0.2905,
0.3173

■ 21.2541, 0.2718,
0.3067

172.8985, 0.2921,
0.3181

■ 13.3099, 0.2651,
0.3028

212.8940, 0.2934,
0.3189

■ 7.6423, 0.2559,
0.2972

258.6257, 0.2946,
0.3195

■ 3.8669, 0.2423,
0.2888

310.4780, 0.2957,

■ 1.5994, 0.2204,

0.3201

0.2744

368.8352, 0.2966,
0.3206

0.3572, 0.1075,
0.2240

0.0000, 0.0000,
0.0000

62.5905, 0.2839,
0.3136

62.5905, 0.2839,
0.3136

56.6432, 0.2687,
0.3042

69.1342, 0.2994,
0.3222

51.2618, 0.2540,
0.2940

76.2880, 0.3148,
0.3300

46.4245, 0.2402,
0.2832

84.0747, 0.3299,
0.3370

42.1044, 0.2278,
0.2718

88.9374, 0.3322,
0.3437

■ 38.2722, 0.2169,
0.2601

■ 93.1144, 0.3313,
0.3504

■ 34.8945, 0.2079,
0.2483

■ 97.4504, 0.3305,
0.3570

■ 31.9324, 0.2010,
0.2364

■ 98.2167, 0.3303,
0.3582

■ 29.3281, 0.1960,
0.2248

■ 28.9983, 0.1954,
0.2233

Harmonies

Analogous

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



62.5905, 0.2872, 0.3262



62.5905, 0.2839, 0.3136



62.5905, 0.2881, 0.3056

Triad

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



62.5905, 0.2839, 0.3136



62.5905, 0.3282, 0.3183



62.5905, 0.3263, 0.3554

Complementary

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



62.5905, 0.2839, 0.3136



58.9091, 0.3464, 0.3439

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.



62.5905, 0.3377, 0.3525



62.5905, 0.2839, 0.3136



62.5905, 0.3389, 0.3309

Square

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



62.5905, 0.2839, 0.3136



62.5905, 0.3135, 0.3085



62.5905, 0.3424, 0.3434



62.5905, 0.3114, 0.3509

Rectangle

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



62.5905, 0.2839, 0.3136



62.5905, 0.2946, 0.3037



62.5905, 0.3424, 0.3434



62.5905, 0.3307, 0.3552

Sweetspot

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



62.5931, 0.2839, 0.3136



94.2281, 0.3034, 0.3243



67.8895, 0.3025, 0.3642



20.0381, 0.3024, 0.3238



0.0000, 0.0000, 0.0000



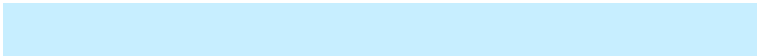
21.4041, 0.3127, 0.3290

Same Dimension

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



62.5931, 0.2839, 0.3136



80.2847, 0.2786, 0.3104



52.9407, 0.2825, 0.2885



14.8189, 0.2982, 0.3216



16.9254, 0.1959, 0.2251



1.3301, 0.2008, 0.2430

Inverse Universe

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



54.6293, 0.3251, 0.2966



68.2124, 0.3278, 0.2903



68.8508, 0.3423, 0.3665



13.8596, 0.3185, 0.3129



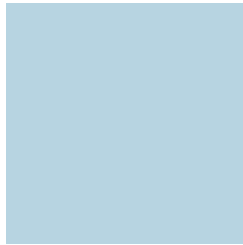
10.6167, 0.4178, 0.2075



0.7517, 0.3992, 0.1973

Previews

White Background



This preview shows how the Yxy color 62.5905, 0.2839, 0.3136 looks on a white background.

Color Contrast Check

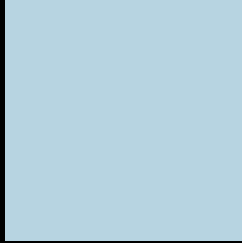
Large Text (above 18pt) WCAG AA × Fail

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 62.5905, 0.2839, 0.3136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

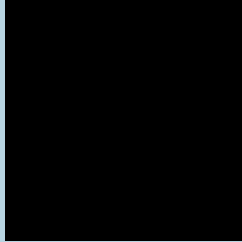
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

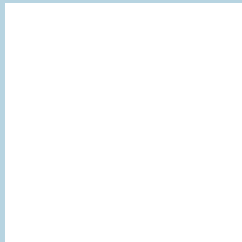
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 62.5905, 0.2839, 0.3136

Background



This preview shows how black text looks on a background with the Yxy color 62.5905, 0.2839, 0.3136.



This preview shows how white text looks on a background with the Yxy color 62.5905, 0.2839, 0.3136.

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

62.5905, 0.2839, 0.3136

Protanopia

62.4849, 0.3024, 0.3119

Deuteranopia

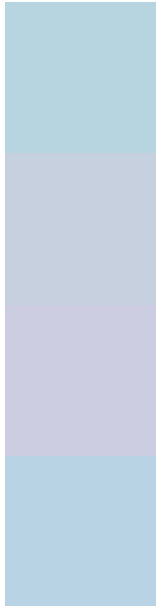
62.2248, 0.3072, 0.3003



Tritanopia

62.3803, 0.2827, 0.3090

Trichromacy



Original Color

62.5905, 0.2839, 0.3136

Protanomaly

62.3914, 0.2959, 0.3128

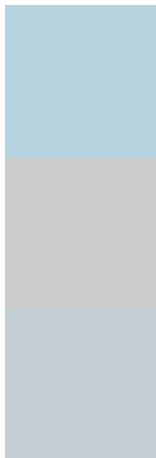
Deuteranomaly

62.1328, 0.2983, 0.3052

Tritanomaly

62.3249, 0.2833, 0.3101

Monochromacy



Original Color

62.5905, 0.2839, 0.3136

Achromatopsia

61.0496, 0.3127, 0.3290

Achromatomaly

61.7355, 0.3019, 0.3243

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.5905, 0.2839, 0.3136 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(183, 212, 225)` looks like.

```
.text, #text, p{  
    color:rgb(183, 212, 225)  
}
```

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(183, 212, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 212, 225) }
```

Border

The CSS property to change the border of an element to Yxy 62.5905, 0.2839, 0.3136 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(183, 212, 225) }
```

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

```
.border{ border-color:rgb(183, 212, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 212, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 212, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 212, 225);  
box-shadow:4px 4px 4px 4px rgb(183, 212,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 62.5905, 0.2839, 0.3136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 212, 225) }
```

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

```
.background{ background-color: rgb(183,  
212, 225) }
```

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