

Converting Colors

$Yxy(62.0574, 0.2675, 0.3169)$

Have a look what the booklet for
Yxy(62.0574, 0.2675, 0.3169)
contains.

Yxy(62.2848, 0.2677, 0.3179)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(62.2848, 0.2677, 0.3179)

Conversions

Conversions Part 1

Format	Color
Hex	9DD9E2
RGB	157, 217, 226
RGB Percent	62%, 85%, 89%
CMY	0.3841, 0.1490, 0.1138
CMYK	0.31, 0.04, 0.00, 0.11
HSL	188°, 54%, 75%
HSV	188°, 31%, 89%
XYZ	52.4493, 62.2848, 81.1916
YIQ	200.0860, -38.6490, -9.9210

Conversions

Conversions Part 2

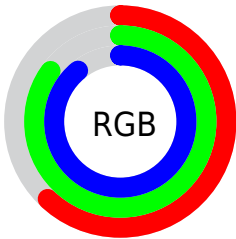
Format	Color
R _{YB}	157, 189, 226
Decimal	10344930
CIE _{Lab}	83.06, -16.89, -10.56
CIE _{LCh}	83, 19.920, 212.018
Y _{xy}	62.2848, 0.2677, 0.3179
Android (android.graphics.Color)	4288535010 (0xFF9DD9E2)
YUV	200.0860, 12.7756, -37.7864
Hunter-Lab	78.9207, -19.4833, -5.7515

Details

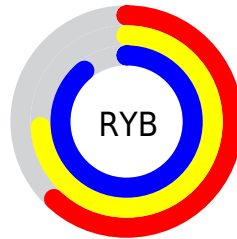
The Yxy color **62.2848, 0.2677, 0.3179** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.8851, 0.3783, 0.3397**, and the grayscale version is **57.7589, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8861, 0.2877, 0.3289**, and **31.6645, 0.2566, 0.3141** is the 20% darker color. If you saturate the color by 10%, you get **58.7155, 0.2548, 0.3137**, and if you desaturate by 10%, it is **66.3066, 0.2817, 0.3218**.

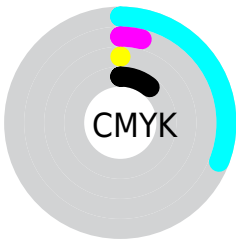
Distribution



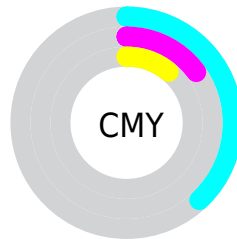
- Red (62%)
- Green (85%)
- Blue (89%)



- Red (62%)
- Yellow (74%)
- Blue (89%)



- Cyan (31%)
- Magenta (4%)
- Yellow (0%)
- Black (11%)



- Cyan (38%)
- Magenta (15%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 62.2848, 0.2677, 0.3179 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 62.2848, 0.2677, 0.3179 by changing the saturation by 10% instead.

62.2848, 0.2677,
0.3179

62.2848, 0.2677,
0.3179

432.9692, 0.2888,
0.3235

45.2629, 0.2628,
0.3165

108.1370, 0.2751,
0.3200

31.6645, 0.2568,
0.3147

137.7361, 0.2779,
0.3207

21.1054, 0.2491,
0.3122

172.2964, 0.2804,
0.3214

13.2011, 0.2389,
0.3089

212.2022, 0.2825,
0.3219

7.5671, 0.2251,
0.3039

257.8380, 0.2844,
0.3224

3.8192, 0.2049,
0.2961

309.5882, 0.2860,

1.5730, 0.1735,

0.3228

0.2818

367.8371, 0.2875,
0.3232

0.3393, 0.0000,
0.2333

0.0000, 0.0000,
0.0000

62.2848, 0.2677,
0.3179

62.2848, 0.2677,
0.3179

58.7155, 0.2548,
0.3137

66.3066, 0.2817,
0.3218

55.5678, 0.2433,
0.3093

70.7949, 0.2966,
0.3255

52.8186, 0.2335,
0.3048

75.7724, 0.3119,
0.3288

50.4394, 0.2256,
0.3002

81.2578, 0.3275,
0.3319

■ 48.3976, 0.2196,
0.2956

■ 84.3041, 0.3325,
0.3348

■ 46.6544, 0.2155,
0.2910

■ 85.9729, 0.3322,
0.3377

■ 45.2118, 0.2130,
0.2867

■ 87.6695, 0.3318,
0.3405

■ 89.3942, 0.3315,
0.3434

■ 91.1470, 0.3311,
0.3462

Harmonies

Analogous

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



62.2848, 0.2815, 0.3418



62.2848, 0.2677, 0.3179



62.2848, 0.2655, 0.2985

Triad

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



62.2848, 0.2677, 0.3179



62.2848, 0.3202, 0.2985



62.2848, 0.3507, 0.3708

Complementary

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



62.2848, 0.2677, 0.3179



45.8851, 0.3783, 0.3397

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.



62.2848, 0.3622, 0.3571



62.2848, 0.2677, 0.3179



62.2848, 0.3443, 0.3159

Square

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



62.2848, 0.2677, 0.3179



62.2848, 0.2949, 0.2884



62.2848, 0.3599, 0.3371



62.2848, 0.3292, 0.3734

Rectangle

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



62.2848, 0.2677, 0.3179



62.2848, 0.2707, 0.2904



62.2848, 0.3599, 0.3371



62.2848, 0.3559, 0.3673

Sweetspot

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



62.2873, 0.2677, 0.3179



94.0113, 0.2988, 0.3260



64.2735, 0.3038, 0.4076



19.9258, 0.2965, 0.3255



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.



62.2873, 0.2677, 0.3179



78.6872, 0.2589, 0.3151



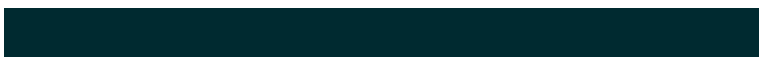
46.7255, 0.2628, 0.2749



15.2517, 0.2982, 0.3259



25.9238, 0.2132, 0.2874



1.8829, 0.2151, 0.2944

Inverse Universe

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



45.3061, 0.3240, 0.2624



53.0810, 0.3270, 0.2477



59.7041, 0.3669, 0.3777



13.9033, 0.3158, 0.3089



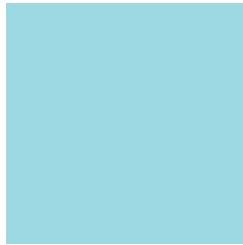
11.5251, 0.3567, 0.1738



0.8075, 0.3504, 0.1704

Previews

White Background



This preview shows how the Yxy color 62.2848, 0.2677, 0.3179 looks on a white background.

Color Contrast Check

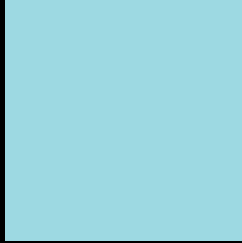
Large Text (above 18pt) WCAG AA × Fail

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 62.2848, 0.2677, 0.3179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

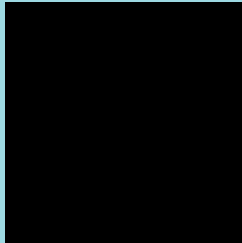
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.2848, 0.2677, 0.3179

Background



This preview shows how black text looks on a background with the Yxy color 62.2848, 0.2677, 0.3179.

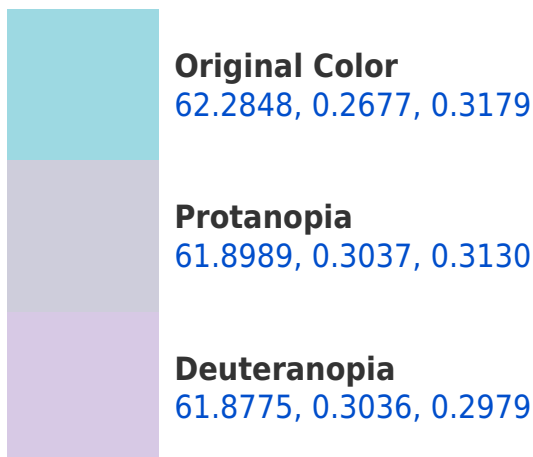


This preview shows how white text looks on a background with the Yxy color 62.2848, 0.2677, 0.3179.

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

62.3659, 0.2649, 0.3084

Trichromacy



Original Color

62.2848, 0.2677, 0.3179

Protanomaly

61.5662, 0.2890, 0.3136

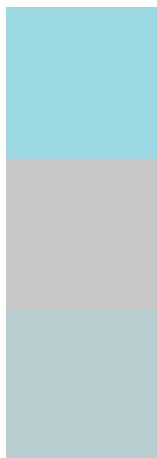
Deuteranomaly

61.6964, 0.2892, 0.3047

Tritanomaly

62.0940, 0.2659, 0.3119

Monochromacy



Original Color

62.2848, 0.2677, 0.3179

Achromatopsia

57.7580, 0.3127, 0.3290

Achromatomaly

58.9364, 0.2945, 0.3253

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.2848, 0.2677, 0.3179 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(157, 217, 226)` looks like.

```
.text, #text, p{  
    color:rgb(157, 217, 226)  
}
```

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(157, 217, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 217, 226) }
```

Border

The CSS property to change the border of an element to Yxy 62.2848, 0.2677, 0.3179 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(157, 217, 226) }
```

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

```
.border{ border-color:rgb(157, 217, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 217, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 217, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 217, 226);  
box-shadow:4px 4px 4px 4px rgb(157, 217,  
226) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 62.2848, 0.2677, 0.3179$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 217, 226) }
```

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

```
.background{ background-color: rgb(157,  
217, 226) }
```

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