

Converting Colors

$Yxy(67.8038, 0.2772, 0.3191)$

Have a look what the booklet for
Yxy(67.8038, 0.2772, 0.3191)
contains.

Yxy(67.8920, 0.2775, 0.3196)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(67.8920, 0.2775, 0.3196)

Conversions

Conversions Part 1

Format	Color
Hex	B1DFE7
RGB	177, 223, 231
RGB Percent	69%, 87%, 91%
CMY	0.3057, 0.1255, 0.0942
CMYK	0.23, 0.03, 0.00, 0.09
HSL	189°, 53%, 80%
HSV	189°, 23%, 91%
XYZ	58.9488, 67.8920, 85.5873
YIQ	210.1580, -29.9840, -7.2640

Conversions

Conversions Part 2

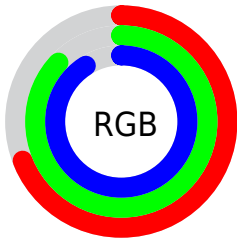
Format	Color
RYB	177, 202, 231
Decimal	11657191
CIELab	85.95, -13.05, -8.80
CIELCh	86, 15.740, 213.983
Yxy	67.8920, 0.2775, 0.3196
Android (android.graphics.Color)	4289847271 (0xFFB1DFE7)
YUV	210.1580, 10.2751, -29.0796
Hunter-Lab	82.3966, -16.4903, -3.9083

Details

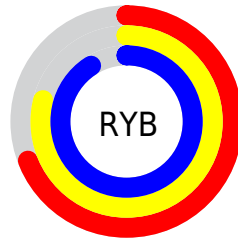
The Yxy color **67.8920, 0.2775, 0.3196** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.8763, 0.3590, 0.3382**, and the grayscale version is **64.5105, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2324, 0.2999, 0.3290**, and **35.3114, 0.2694, 0.3181** is the 20% darker color. If you saturate the color by 10%, you get **63.5972, 0.2636, 0.3150**, and if you desaturate by 10%, it is **72.6884, 0.2922, 0.3239**.

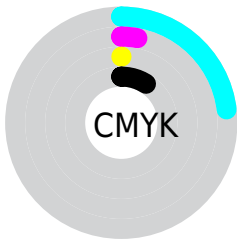
Distribution



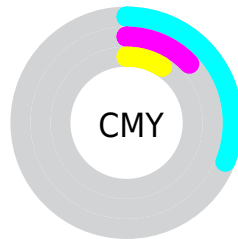
- Red (69%)
- Green (87%)
- Blue (91%)



- Red (69%)
- Yellow (79%)
- Blue (91%)



- Cyan (23%)
- Magenta (3%)
- Yellow (0%)
- Black (9%)





- Cyan (31%)
- Magenta (13%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.8920, 0.2775, 0.3196 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 67.8920, 0.2775, 0.3196 by changing the saturation by 10% instead.


 67.8920, 0.2775,
0.3196

 67.8920, 0.2775,
0.3196

453.1133, 0.2938,
0.3242

 49.8099, 0.2738,
0.3185


 116.1976, 0.2832,
0.3213

 35.2624, 0.2692,
0.3170


147.1899, 0.2854,
0.3219

 23.8650, 0.2633,
0.3152


183.2544, 0.2873,
0.3224

 15.2335, 0.2557,
0.3127

224.7754, 0.2889,
0.3229

 8.9835, 0.2453,
0.3090

272.1375, 0.2904,
0.3233

 4.7304, 0.2304,
0.3034

325.7248, 0.2916,

 2.0900, 0.2072,

0.3236

0.2938

385.9220, 0.2928,
0.3240

0.6590, 0.1310,
0.2806

0.0000, 0.0000,
0.0000

67.8920, 0.2775,
0.3196

67.8920, 0.2775,
0.3196

63.5972, 0.2636,
0.3150

72.6884, 0.2922,
0.3239

59.7724, 0.2509,
0.3102

77.9998, 0.3075,
0.3278

56.3950, 0.2397,
0.3051

83.8493, 0.3231,
0.3313

53.4371, 0.2302,
0.2999

87.4132, 0.3287,
0.3347

■ 50.8676, 0.2225,
0.2946

■ 89.4100, 0.3283,
0.3380

■ 48.6502, 0.2168,
0.2893

■ 91.4447, 0.3280,
0.3413

■ 46.7412, 0.2130,
0.2840

■ 93.5177, 0.3276,
0.3446

■ 45.5973, 0.2113,
0.2806

■ 95.6290, 0.3273,
0.3479

■ 97.7789, 0.3269,
0.3511

Harmonies

Analogous

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



67.8920, 0.2878, 0.3377



67.8920, 0.2775, 0.3196



67.8920, 0.2764, 0.3049

Triad

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



67.8920, 0.2775, 0.3196



67.8920, 0.3199, 0.3060



67.8920, 0.3411, 0.3616

Complementary

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



67.8920, 0.2775, 0.3196



54.8763, 0.3590, 0.3382

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.



67.8920, 0.3504, 0.3518



67.8920, 0.2775, 0.3196



67.8920, 0.3380, 0.3200

Square

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



67.8920, 0.2775, 0.3196



67.8920, 0.3003, 0.2977



67.8920, 0.3493, 0.3366



67.8920, 0.3243, 0.3625

Rectangle

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



67.8920, 0.2775, 0.3196



67.8920, 0.2809, 0.2988



67.8920, 0.3493, 0.3366



67.8920, 0.3452, 0.3592

Sweetspot

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



67.8948, 0.2775, 0.3196



95.0949, 0.3018, 0.3264



69.9674, 0.3053, 0.3857



20.2670, 0.3009, 0.3261



0.0000, 0.0000, 0.0000



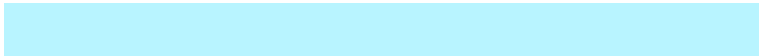
21.4041, 0.3127, 0.3290

Same Dimension

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



67.8948, 0.2775, 0.3196



82.3177, 0.2707, 0.3174



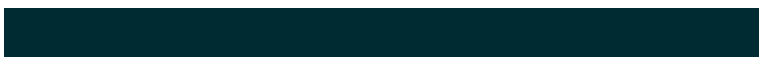
54.9745, 0.2750, 0.2880



15.9534, 0.2981, 0.3254



25.7103, 0.2115, 0.2814



1.9993, 0.2136, 0.2890

Inverse Universe

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



53.7772, 0.3217, 0.2791



61.9325, 0.3239, 0.2686



66.8550, 0.3525, 0.3669



14.5766, 0.3160, 0.3092



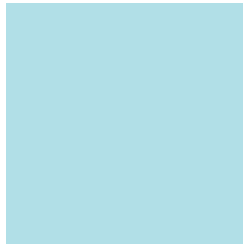
11.7932, 0.3622, 0.1769



0.8815, 0.3552, 0.1730

Previews

White Background



This preview shows how the Yxy color 67.8920, 0.2775, 0.3196 looks on a white background.

Color Contrast Check

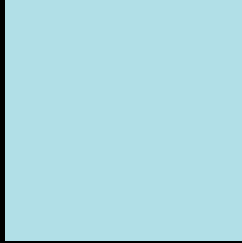
Large Text (above 18pt) WCAG AA × Fail

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 67.8920, 0.2775, 0.3196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

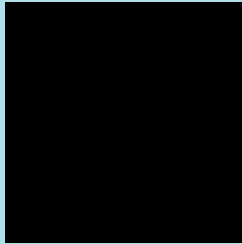
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.8920, 0.2775, 0.3196

Background



This preview shows how black text looks on a background with the Yxy color 67.8920, 0.2775, 0.3196.

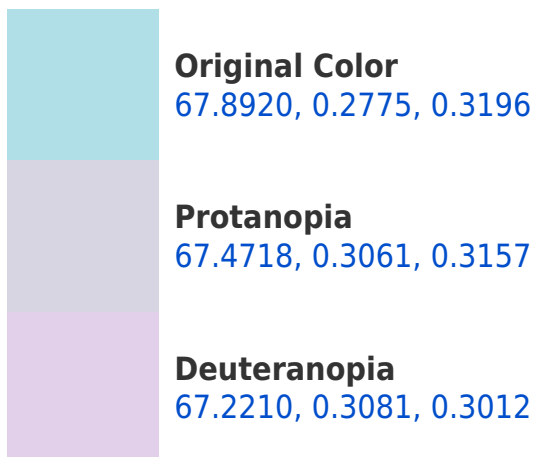


This preview shows how white text looks on a background with the Yxy color 67.8920, 0.2775, 0.3196.

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

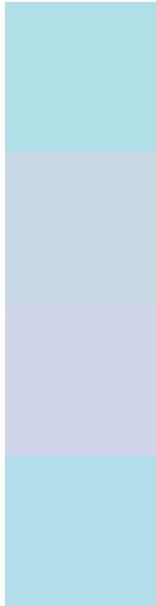




Tritanopia

68.0583, 0.2741, 0.3094

Trichromacy



Original Color

67.8920, 0.2775, 0.3196

Protanomaly

67.5893, 0.2950, 0.3177

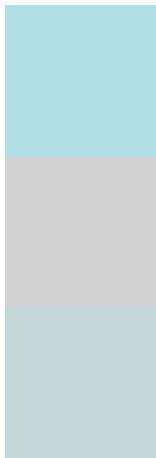
Deuteranomaly

66.8816, 0.2959, 0.3068

Tritanomaly

67.7637, 0.2752, 0.3127

Monochromacy



Original Color

67.8920, 0.2775, 0.3196

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

65.6686, 0.2986, 0.3255

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.8920, 0.2775, 0.3196 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(177, 223, 231)` looks like.

```
.text, #text, p{  
    color:rgb(177, 223, 231)  
}
```

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(177, 223, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 223, 231) }
```

Border

The CSS property to change the border of an element to Yxy 67.8920, 0.2775, 0.3196 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(177, 223, 231) }
```

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

```
.border{ border-color:rgb(177, 223, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 223, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 223, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 223, 231);  
box-shadow:4px 4px 4px 4px rgb(177, 223,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 67.8920, 0.2775, 0.3196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 223, 231) }
```

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

```
.background{ background-color: rgb(177,  
223, 231) }
```

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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