

Converting Colors

$Yxy(63.6806, 0.2777, 0.3293)$

Have a look what the booklet for
Yxy(63.6806, 0.2777, 0.3293)
contains.

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Color

Yxy(63.8320, 0.2778, 0.3301)

Conversions

Conversions Part 1

Format	Color
Hex	A6DBDA
RGB	166, 219, 218
RGB Percent	65%, 86%, 85%
CMY	0.3489, 0.1412, 0.1451
CMYK	0.24, 0.00, 0.00, 0.14
HSL	179°, 42%, 75%
HSV	179°, 24%, 86%
XYZ	53.7187, 63.8320, 75.8210
YIQ	203.0390, -31.2670, -11.5470

Conversions

Conversions Part 2

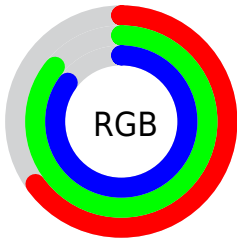
Format	Color
RYB	166, 193, 219
Decimal	10935258
CIELab	83.88, -17.11, -5.07
CIELCh	84, 17.849, 196.496
Yxy	63.8320, 0.2778, 0.3301
Android (android.graphics.Color)	4289125338 (0xFFA6DBDA)
YUV	203.0390, 7.3758, -32.4832
Hunter-Lab	79.8949, -19.7987, -0.3403

Details

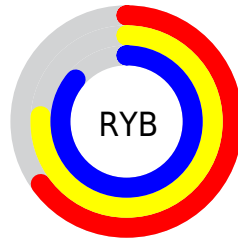
The Yxy color **63.8320, 0.2778, 0.3301** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.1383, 0.3621, 0.3280**, and the grayscale version is **59.7206, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **32.6400, 0.2690, 0.3305** is the 20% darker color. If you saturate the color by 10%, you get **61.6437, 0.2653, 0.3306**, and if you desaturate by 10%, it is **66.4285, 0.2916, 0.3296**.

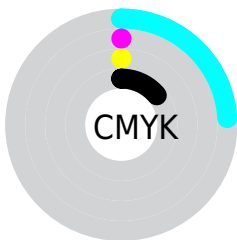
Distribution



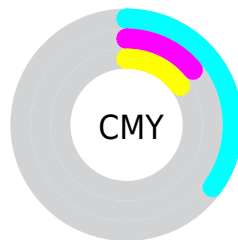
- Red (65%)
- Green (86%)
- Blue (85%)



- Red (65%)
- Yellow (76%)
- Blue (86%)



- Cyan (24%)
- Magenta (0%)
- Yellow (0%)
- Black (14%)




- Cyan (35%)
- Magenta (14%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.8320, 0.2778, 0.3301 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 63.8320, 0.2778, 0.3301 by changing the saturation by 10% instead.


 63.8320, 0.2778,
0.3301


 63.8320, 0.2778,
0.3301


438.5827, 0.2942,
0.3298

 46.5146, 0.2740,
0.3301


 110.3690, 0.2835,
0.3300

 32.6521, 0.2693,
0.3301


 140.3573, 0.2858,
0.3300

 21.8601, 0.2632,
0.3301


175.3381, 0.2877,
0.3300

 13.7541, 0.2553,
0.3299

215.6958, 0.2893,
0.3299

 7.9499, 0.2443,
0.3296

261.8147, 0.2908,
0.3299

 4.0629, 0.2281,
0.3288

314.0792, 0.2920,

 1.7088, 0.2023,

0.3298

372.8737, 0.2932,
0.3298

0.3265

0.4293, 0.0000,
0.3432

0.0000, 0.0000,
0.0000

63.8320, 0.2778,
0.3301

63.8320, 0.2778,
0.3301

61.6437, 0.2653,
0.3306

66.4285, 0.2916,
0.3296

59.8356, 0.2543,
0.3312


69.4444, 0.3063,
0.3292


58.3878, 0.2450,
0.3318


72.9002, 0.3217,
0.3288


57.2761, 0.2376,
0.3324

76.8124, 0.3375,
0.3284

 56.4729, 0.2322,
0.3330


 77.0911, 0.3382,
0.3280

 55.9463, 0.2286,
0.3336


 77.1129, 0.3380,
0.3276

 55.6577, 0.2268,
0.3341

 77.1347, 0.3377,
0.3272

 55.5618, 0.2263,
0.3345

 77.1566, 0.3374,
0.3268

 77.1785, 0.3371,
0.3264

Harmonies

Analogous

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



63.8320, 0.2946, 0.3507



63.8320, 0.2778, 0.3301



63.8320, 0.2702, 0.3101

Triad

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



63.8320, 0.2778, 0.3301



63.8320, 0.3075, 0.2961



63.8320, 0.3532, 0.3610

Complementary

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



63.8320, 0.2778, 0.3301



45.1383, 0.3621, 0.3280

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.



63.8320, 0.3572, 0.3454



63.8320, 0.2778, 0.3301



63.8320, 0.3303, 0.3086

Square

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



63.8320, 0.2778, 0.3301



63.8320, 0.2869, 0.2914



63.8320, 0.3487, 0.3264



63.8320, 0.3382, 0.3686

Rectangle

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



63.8320, 0.2778, 0.3301



63.8320, 0.2712, 0.3000



63.8320, 0.3487, 0.3264



63.8320, 0.3559, 0.3565

Sweetspot

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



63.8346, 0.2778, 0.3301



96.7488, 0.3020, 0.3293



61.7193, 0.3108, 0.3969



20.6513, 0.3011, 0.3293



0.0000, 0.0000, 0.0000



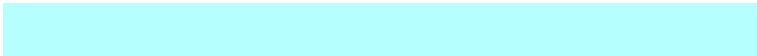
21.4041, 0.3127, 0.3290

Same Dimension

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



63.8346, 0.2778, 0.3301



88.4809, 0.2713, 0.3304



51.9358, 0.2746, 0.2979



14.8251, 0.2985, 0.3294



32.9488, 0.2262, 0.3344



2.1360, 0.2260, 0.3334

Inverse Universe

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



45.1383, 0.3621, 0.3280



57.7235, 0.3762, 0.3277



54.9684, 0.3563, 0.3582



13.0555, 0.3289, 0.3286



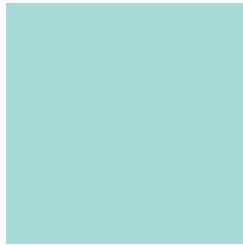
8.9370, 0.6379, 0.3288



0.5804, 0.6315, 0.3252

Previews

White Background



This preview shows how the Yxy color 63.8320, 0.2778, 0.3301 looks on a white background.

Color Contrast Check

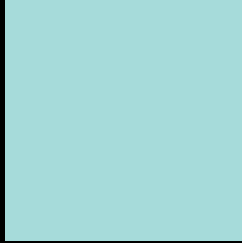
Large Text (above 18pt) WCAG AA × Fail

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 63.8320, 0.2778, 0.3301 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 63.8320, 0.2778, 0.3301

Background



This preview shows how black text looks on a background with the Yxy color 63.8320, 0.2778, 0.3301.

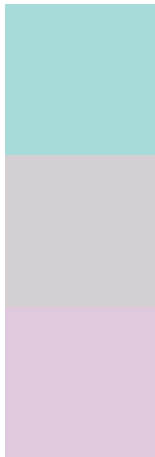


This preview shows how white text looks on a background with the Yxy color 63.8320, 0.2778, 0.3301.

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

63.8320, 0.2778, 0.3301

Protanopia

63.1777, 0.3129, 0.3244

Deuteranopia

63.1495, 0.3152, 0.3081



Tritanopia

64.0012, 0.2703, 0.3088

Trichromacy



Original Color

63.8320, 0.2778, 0.3301

Protanomaly

63.0457, 0.2991, 0.3255

Deuteranomaly

62.8356, 0.3001, 0.3152

Tritanomaly

64.0691, 0.2732, 0.3169

Monochromacy



Original Color

63.8320, 0.2778, 0.3301

Achromatopsia

59.7202, 0.3127, 0.3290

Achromatomaly

61.1021, 0.2995, 0.3302

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.8320, 0.2778, 0.3301 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(166, 219, 218)` looks like.

```
.text, #text, p{  
    color:rgb(166, 219, 218)  
}
```

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(166, 219, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 219, 218) }
```

Border

The CSS property to change the border of an element to Yxy 63.8320, 0.2778, 0.3301 is called "border". The border property can be set on classes, ids or directly on the HTML element.

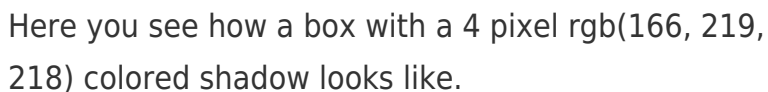
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(166, 219, 218) }
```

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

```
.border{ border-color:rgb(166, 219, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(166, 219, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 219, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 219, 218); box-shadow:4px 4px 4px 4px rgb(166, 219, 218) }
```


Background

The CSS property to change the background color of an element to Yxy 63.8320, 0.2778, 0.3301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 219, 218) }
```

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

```
.background{ background-color: rgb(166,  
219, 218) }
```

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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