

Converting Colors

$Y_{xy}(50.8695, 0.2706, 0.3218)$

Have a look what the booklet for
Yxy(50.8695, 0.2706, 0.3218)
contains.

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Color

Yxy(50.7675, 0.2703, 0.3209)

Conversions

Conversions Part 1

Format	Color
Hex	91C6CC
RGB	145, 198, 204
RGB Percent	57%, 78%, 80%
CMY	0.4316, 0.2235, 0.2000
CMYK	0.29, 0.03, 0.00, 0.20
HSL	186°, 37%, 68%
HSV	186°, 29%, 80%
XYZ	42.7624, 50.7675, 64.6736
YIQ	182.8370, -33.5140, -9.3700

Conversions

Conversions Part 2

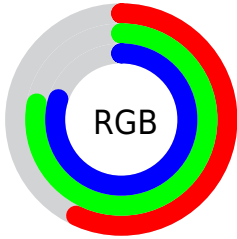
Format	Color
R _{YB}	145, 173, 204
Decimal	9553612
CIE _{Lab}	76.54, -15.74, -8.57
CIE _{LCh}	77, 17.924, 208.569
Yxy	50.7675, 0.2703, 0.3209
Android (android.graphics.Color)	4287743692 (0xFF91C6CC)
YUV	182.8370, 10.4334, -33.1830
Hunter-Lab	71.2513, -17.5607, -3.9406

Details

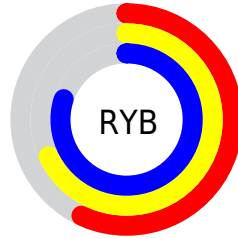
The Yxy color **50.7675, 0.2703, 0.3209** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.9910, 0.3740, 0.3369**, and the grayscale version is **47.2102, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.0194, 0.2805, 0.3289**, and **24.4238, 0.2589, 0.3179** is the 20% darker color. If you saturate the color by 10%, you get **48.1414, 0.2575, 0.3177**, and if you desaturate by 10%, it is **53.7433, 0.2842, 0.3239**.

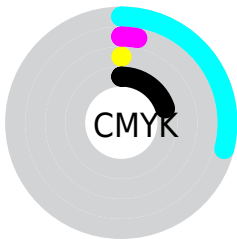
Distribution



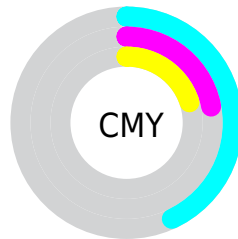
- Red (57%)
- Green (78%)
- Blue (80%)



- Red (57%)
- Yellow (68%)
- Blue (80%)



- Cyan (29%)
- Magenta (3%)
- Yellow (0%)
- Black (20%)





- Cyan (43%)
- Magenta (22%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.7675, 0.2703, 0.3209 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 50.7675, 0.2703, 0.3209 by changing the saturation by 10% instead.


 50.7675, 0.2703,
0.3209

 50.7675, 0.2703,
0.3209

389.6598, 0.2909,
0.3252

 36.0236, 0.2653,
0.3197


 91.3110, 0.2777,
0.3225

 24.4524, 0.2590,
0.3182


 117.8794, 0.2805,
0.3231

 15.6696, 0.2509,
0.3161


149.1581, 0.2829,
0.3236

 9.2906, 0.2397,
0.3131

185.5315, 0.2849,
0.3240

 4.9312, 0.2239,
0.3084

227.3840, 0.2867,
0.3244

 2.2070, 0.1995,
0.3000

275.0999, 0.2883,

 0.7238, 0.1225,

0.3247

0.2919

329.0637, 0.2897,
0.3250

0.0000, 0.0000,
0.0000

50.7675, 0.2703,
0.3209

50.7675, 0.2703,
0.3209

48.1414, 0.2575,
0.3177

53.7433, 0.2842,
0.3239

45.8410, 0.2461,
0.3144

57.0792, 0.2990,
0.3267

43.8488, 0.2364,
0.3109

60.7927, 0.3143,
0.3293

42.1432, 0.2285,
0.3074

64.8984, 0.3299,
0.3316

40.6994, 0.2226,
0.3039

69.4099, 0.3455,
0.3337

■ 39.4884, 0.2185,
0.3004

■ 71.9235, 0.3514,
0.3357

■ 38.4626, 0.2160,
0.2970

■ 72.9542, 0.3510,
0.3378

■ 38.3591, 0.2157,
0.2966

■ 73.9981, 0.3506,
0.3399

■ 75.0554, 0.3502,
0.3420

Harmonies

Analogous

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



50.7675, 0.2848, 0.3439



50.7675, 0.2703, 0.3209



50.7675, 0.2668, 0.3014

Triad

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



50.7675, 0.2703, 0.3209



50.7675, 0.3171, 0.2980



50.7675, 0.3512, 0.3683

Complementary

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



50.7675, 0.2703, 0.3209



36.9910, 0.3740, 0.3369

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.



50.7675, 0.3608, 0.3542



50.7675, 0.2703, 0.3209



50.7675, 0.3407, 0.3142

Square

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



50.7675, 0.2703, 0.3209



50.7675, 0.2930, 0.2893



50.7675, 0.3570, 0.3344



50.7675, 0.3313, 0.3721

Rectangle

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



50.7675, 0.2703, 0.3209



50.7675, 0.2710, 0.2928



50.7675, 0.3570, 0.3344



50.7675, 0.3558, 0.3645

Sweetspot

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



50.7695, 0.2703, 0.3209



94.4285, 0.2988, 0.3267



51.4314, 0.3049, 0.4038



20.0294, 0.2965, 0.3263



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.



50.7695, 0.2703, 0.3209



81.1818, 0.2618, 0.3188



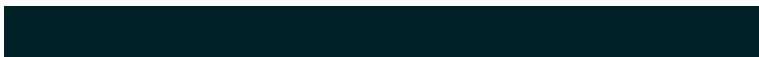
38.5891, 0.2659, 0.2798



12.5251, 0.2983, 0.3266



24.2215, 0.2159, 0.2971



1.3070, 0.2177, 0.3038

Inverse Universe

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



37.1487, 0.3216, 0.2642



55.0925, 0.3240, 0.2498



47.6761, 0.3637, 0.3736



11.3834, 0.3153, 0.3084



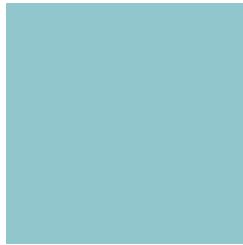
10.2482, 0.3480, 0.1691



0.5345, 0.3420, 0.1658

Previews

White Background



This preview shows how the Yxy color 50.7675, 0.2703, 0.3209 looks on a white background.

Color Contrast Check

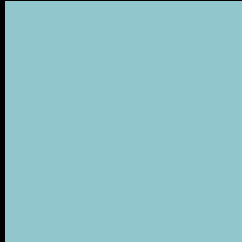
Large Text (above 18pt) WCAG AA × Fail

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 50.7675, 0.2703, 0.3209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

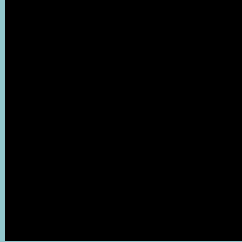
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

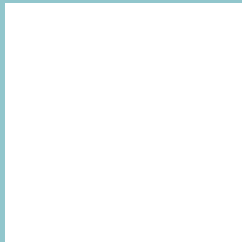
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.7675, 0.2703, 0.3209

Background



This preview shows how black text looks on a background with the Yxy color 50.7675, 0.2703, 0.3209.



This preview shows how white text looks on a background with the Yxy color 50.7675, 0.2703, 0.3209.

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

50.7675, 0.2703, 0.3209

Protanopia

50.3907, 0.3067, 0.3165

Deuteranopia

50.3777, 0.3066, 0.3000



Tritanopia

50.8890, 0.2667, 0.3092

Trichromacy



Original Color

50.7675, 0.2703, 0.3209

Protanomaly

50.3160, 0.2920, 0.3174

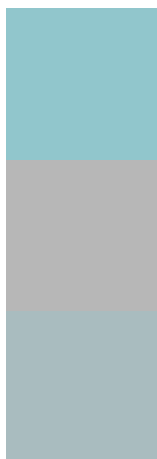
Deuteranomaly

50.0064, 0.2923, 0.3063

Tritanomaly

50.6469, 0.2678, 0.3130

Monochromacy



Original Color

50.7675, 0.2703, 0.3209

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

48.1630, 0.2952, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.7675, 0.2703, 0.3209 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(145, 198, 204)` looks like.

```
.text, #text, p{  
    color:rgb(145, 198, 204)  
}
```

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(145, 198, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 198, 204) }
```

Border

The CSS property to change the border of an element to Yxy 50.7675, 0.2703, 0.3209 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(145, 198, 204) }
```

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

```
.border{ border-color:rgb(145, 198, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 198, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 198, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 198, 204);  
box-shadow:4px 4px 4px 4px rgb(145, 198,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 50.7675, 0.2703, 0.3209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 198, 204) }
```

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

```
.background{ background-color: rgb(145,  
198, 204) }
```

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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