

Converting Colors

$Y_{xy}(49.7897, 0.2378, 0.3068)$

Have a look what the booklet for
Yxy(49.7897, 0.2378, 0.3068)
contains.

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Color

Yxy(49.7898, 0.2378, 0.3068)

Conversions

Conversions Part 1

Format	Color
Hex	60CADA
RGB	96, 202, 218
RGB Percent	38%, 79%, 85%
CMY	0.6239, 0.2078, 0.1451
CMYK	0.56, 0.07, 0.00, 0.15
HSL	188°, 62%, 62%
HSV	188°, 56%, 85%
XYZ	38.5920, 49.7898, 73.9057
YIQ	172.1300, -68.3120, -17.4960

Conversions

Conversions Part 2

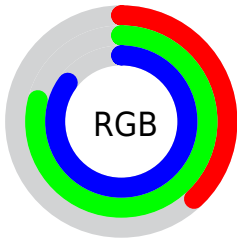
Format	Color
R_{YB}	96, 153, 218
Decimal	6343386
CIE Lab	75.94, -26.05, -17.25
CIE LCh	76, 31.242, 213.513
Yxy	49.7898, 0.2378, 0.3068
Android (android.graphics.Color)	4284533466 (0xFF60CADA)
YUV	172.1300, 22.6139, -66.7660
Hunter-Lab	70.5619, -25.8574, -12.7064

Details

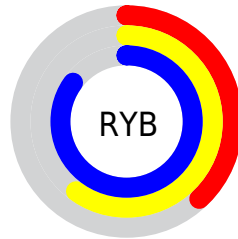
The Yxy color **49.7898, 0.2378, 0.3068** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **27.3147, 0.4689, 0.3480**, and the grayscale version is **41.2235, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8079, 0.2588, 0.3288**, and **23.9729, 0.2191, 0.3003** is the 20% darker color. If you saturate the color by 10%, you get **47.4425, 0.2290, 0.3022**, and if you desaturate by 10%, it is **52.4933, 0.2484, 0.3113**.

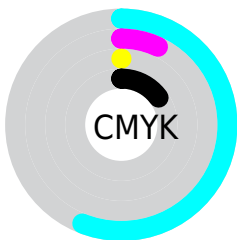
Distribution



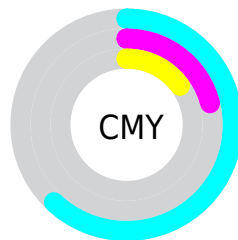
- Red (38%)
- Green (79%)
- Blue (85%)



- Red (38%)
- Yellow (60%)
- Blue (85%)



- Cyan (56%)
- Magenta (7%)
- Yellow (0%)
- Black (15%)




- Cyan (62%)
- Magenta (21%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.7898, 0.2378, 0.3068 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 49.7898, 0.2378, 0.3068 by changing the saturation by 10% instead.

 49.7898, 0.2378,
0.3068


 49.7898, 0.2378,
0.3068


385.8434, 0.2738,
0.3187


 35.2464, 0.2293,
0.3036


 89.8634, 0.2505,
0.3113


 23.8527, 0.2187,
0.2994


 116.1623, 0.2554,
0.3129

 15.2244, 0.2052,
0.2937


 147.1486, 0.2595,
0.3143

 8.9770, 0.1872,
0.2855

 183.2065, 0.2632,
0.3155

 4.7262, 0.1626,
0.2729

224.7206, 0.2663,
0.3165

 2.0875, 0.1275,
0.2517

272.0752, 0.2691,

 0.6576, 0.0000,

0.3173

0.2243

325.6546, 0.2716,
0.3181

0.0000, 0.0000,
0.0000

49.7898, 0.2378,
0.3068

49.7898, 0.2378,
0.3068

47.4425, 0.2290,
0.3022

52.4933, 0.2484,
0.3113

45.4178, 0.2221,
0.2976

55.5721, 0.2605,
0.3156

43.6850, 0.2171,
0.2930

59.0507, 0.2740,
0.3197

42.2036, 0.2139,
0.2884

62.9495, 0.2884,
0.3235

41.6531, 0.2129,
0.2866

67.2878, 0.3035,
0.3270

■ 72.0833, 0.3189,
0.3302

■ 77.3530, 0.3345,
0.3331

■ 80.0919, 0.3388,
0.3360

■ 81.6469, 0.3384,
0.3388

Harmonies

Analogous

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



49.7898, 0.2588, 0.3482



49.7898, 0.2378, 0.3068



49.7898, 0.2354, 0.2758

Triad

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



49.7898, 0.2378, 0.3068



49.7898, 0.3268, 0.2803



49.7898, 0.3745, 0.3998

Complementary

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



49.7898, 0.2378, 0.3068



27.3147, 0.4689, 0.3480

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.



49.7898, 0.3960, 0.3756



49.7898, 0.2378, 0.3068



49.7898, 0.3679, 0.3084

Square

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



49.7898, 0.2378, 0.3068



49.7898, 0.2843, 0.2632



49.7898, 0.3938, 0.3423



49.7898, 0.3371, 0.4053

Rectangle

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



49.7898, 0.2378, 0.3068



49.7898, 0.2443, 0.2640



49.7898, 0.3938, 0.3423



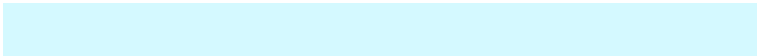
49.7898, 0.3839, 0.3933

Sweetspot

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



49.7917, 0.2378, 0.3068



89.1166, 0.2867, 0.3231



53.7545, 0.2976, 0.4891



18.8258, 0.2837, 0.3223



0.0000, 0.0000, 0.0000



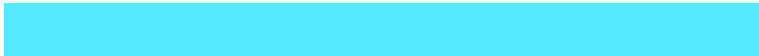
21.4041, 0.3127, 0.3290

Same Dimension

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



49.7917, 0.2378, 0.3068



67.1791, 0.2278, 0.3015



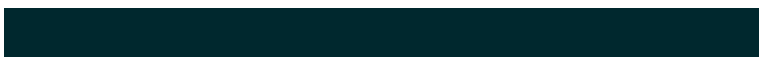
27.1030, 0.2189, 0.2177



14.5235, 0.2982, 0.3259



25.0675, 0.2131, 0.2873



1.7066, 0.2152, 0.2947

Inverse Universe

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



27.5203, 0.3361, 0.2114



33.4859, 0.3420, 0.1939



44.9501, 0.4229, 0.4166



13.2440, 0.3158, 0.3089



11.1543, 0.3568, 0.1739



0.7310, 0.3501, 0.1702

Previews

White Background



This preview shows how the Yxy color 49.7898, 0.2378, 0.3068 looks on a white background.

Color Contrast Check

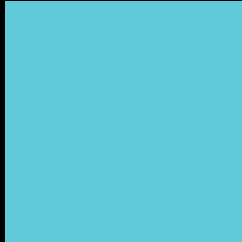
Large Text (above 18pt) WCAG AA × Fail

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 49.7898, 0.2378, 0.3068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

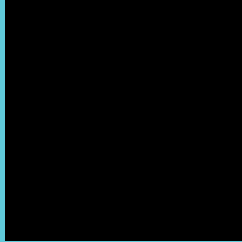
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.7898, 0.2378, 0.3068

Background



This preview shows how black text looks on a background with the Yxy color 49.7898, 0.2378, 0.3068.



This preview shows how white text looks on a background with the Yxy color 49.7898, 0.2378, 0.3068.

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

49.7898, 0.2378, 0.3068

Protanopia

49.2702, 0.2946, 0.3015

Deuteranopia

49.1689, 0.2862, 0.2805



Tritanopia

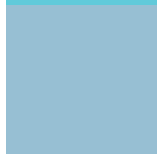
49.7898, 0.2378, 0.3068

Trichromacy



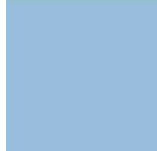
Original Color

49.7898, 0.2378, 0.3068



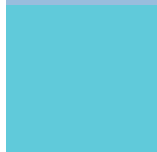
Protanomaly

48.5441, 0.2690, 0.3026



Deuteranomaly

48.3880, 0.2639, 0.2877



Tritanomaly

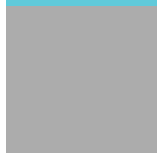
49.7898, 0.2378, 0.3068

Monochromacy



Original Color

49.7898, 0.2378, 0.3068



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

43.4704, 0.2773, 0.3205

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7898, 0.2378, 0.3068 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(96, 202, 218)` looks like.

```
.text, #text, p{  
    color:rgb(96, 202, 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(96, 202, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 202, 218) }
```

Border

The CSS property to change the border of an element to Yxy 49.7898, 0.2378, 0.3068 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(96, 202, 218) }
```

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

```
.border{ border-color:rgb(96, 202, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 202, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 202, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 202, 218);  
box-shadow:4px 4px 4px 4px rgb(96, 202,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7898, 0.2378, 0.3068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 202, 218) }
```

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

```
.background{ background-color: rgb(96, 202,  
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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