

Converting Colors

$Y_{xy}(49.8872, 0.2395, 0.3231)$

Have a look what the booklet for
Yxy(49.8872, 0.2395, 0.3231)
contains.

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Color

Yxy(49.7660, 0.2397, 0.3231)

Conversions

Conversions Part 1

Format	Color
Hex	57CCD0
RGB	87, 204, 208
RGB Percent	34%, 80%, 82%
CMY	0.6582, 0.2001, 0.1843
CMYK	0.58, 0.02, 0.00, 0.18
HSL	182°, 56%, 58%
HSV	182°, 58%, 82%
XYZ	36.9202, 49.7660, 67.3404
YIQ	169.4730, -71.0160, -23.5600

Conversions

Conversions Part 2

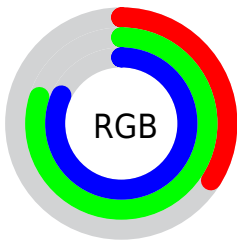
Format	Color
R_{YB}	87, 146, 208
Decimal	5754064
CIE _{Lab}	75.93, -31.41, -11.91
CIE _{LCh}	76, 33.592, 200.762
Yxy	49.7660, 0.2397, 0.3231
Android (android.graphics.Color)	4283944144 (0xFF57CCD0)
YUV	169.4730, 18.9938, -72.3288
Hunter-Lab	70.5450, -30.0347, -7.2152

Details

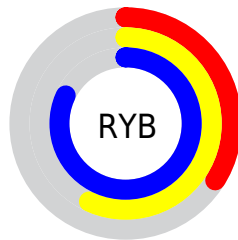
The Yxy color **49.7660, 0.2397, 0.3231** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **21.6161, 0.4870, 0.3342**, and the grayscale version is **39.8743, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0359, 0.2553, 0.3288**, and **23.8280, 0.2219, 0.3190** is the 20% darker color. If you saturate the color by 10%, you get **48.5762, 0.2325, 0.3220**, and if you desaturate by 10%, it is **51.2497, 0.2488, 0.3242**.

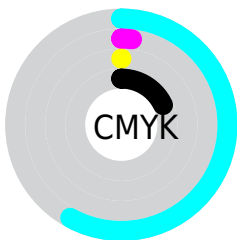
Distribution



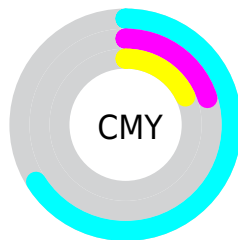
- Red (34%)
- Green (80%)
- Blue (82%)



- Red (34%)
- Yellow (57%)
- Blue (82%)



- Cyan (58%)
- Magenta (2%)
- Yellow (0%)
- Black (18%)





- Cyan (66%)
- Magenta (20%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.7660, 0.2397, 0.3231 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 49.7660, 0.2397, 0.3231 by changing the saturation by 10% instead.


 49.7660, 0.2397,
0.3231


 49.7660, 0.2397,
0.3231


385.7502, 0.2749,
0.3270


 35.2275, 0.2313,
0.3219


 89.8281, 0.2522,
0.3247


 23.8382, 0.2209,
0.3202


 116.1204, 0.2570,
0.3252

 15.2136, 0.2074,
0.3176


 147.0996, 0.2610,
0.3257

 8.9694, 0.1894,
0.3137

 183.1498, 0.2646,
0.3260

 4.7213, 0.1646,
0.3071

224.6556, 0.2676,
0.3263

 2.0847, 0.1286,
0.2944

272.0013, 0.2704,

 0.6560, 0.0000,

0.3266

0.2818

325.5714, 0.2728,
0.3268

■ 0.0000, 0.0000,
0.0000

■ 49.7660, 0.2397,
0.3231

■ 49.7660, 0.2397,
0.3231

■ 48.5762, 0.2325,
0.3220

■ 51.2497, 0.2488,
0.3242

■ 47.6490, 0.2273,
0.3209

■ 53.0440, 0.2596,
0.3253

■ 46.9563, 0.2239,
0.3198

■ 55.1710, 0.2719,
0.3264

■ 46.4541, 0.2221,
0.3187

■ 57.6495, 0.2856,
0.3274

■ 46.3671, 0.2218,
0.3185

■ 60.4965, 0.3003,
0.3283

■ 63.7281, 0.3157,
0.3292

■ 67.3594, 0.3315,
0.3299

■ 71.4047, 0.3475,
0.3307

■ 72.0168, 0.3484,
0.3314

Harmonies

Analogous

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



49.7660, 0.2696, 0.3686



49.7660, 0.2397, 0.3231



49.7660, 0.2286, 0.2838

Triad

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



49.7660, 0.2397, 0.3231



49.7660, 0.3077, 0.2675



49.7660, 0.3915, 0.3955

Complementary

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



49.7660, 0.2397, 0.3231



21.6161, 0.4870, 0.3342

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.



49.7660, 0.4046, 0.3640



49.7660, 0.2397, 0.3231



49.7660, 0.3544, 0.2930

Square

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



49.7660, 0.2397, 0.3231



49.7660, 0.2656, 0.2556



49.7660, 0.3910, 0.3272



49.7660, 0.3571, 0.4118

Rectangle

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



49.7660, 0.2397, 0.3231



49.7660, 0.2325, 0.2663



49.7660, 0.3910, 0.3272



49.7660, 0.3987, 0.3862

Sweetspot

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



49.7679, 0.2397, 0.3231



91.7675, 0.2869, 0.3274



47.8752, 0.3031, 0.5124



19.4589, 0.2840, 0.3272



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.



49.7679, 0.2397, 0.3231



76.5630, 0.2309, 0.3217



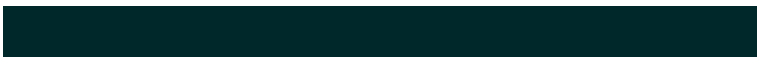
27.0146, 0.2200, 0.2327



13.3367, 0.2983, 0.3282



28.9248, 0.2218, 0.3186



1.6389, 0.2224, 0.3206

Inverse Universe

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



24.6130, 0.3235, 0.1974



33.3411, 0.3257, 0.1781



35.7875, 0.4370, 0.4053



12.0020, 0.3143, 0.3068



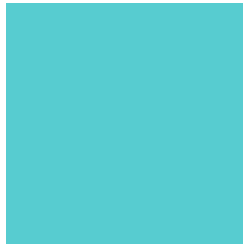
10.9912, 0.3294, 0.1588



0.6167, 0.3277, 0.1579

Previews

White Background



This preview shows how the Yxy color 49.7660, 0.2397, 0.3231 looks on a white background.

Color Contrast Check

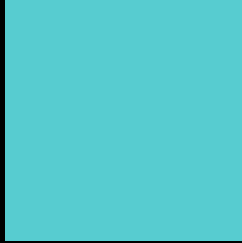
Large Text (above 18pt) WCAG AA × Fail

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 49.7660, 0.2397, 0.3231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

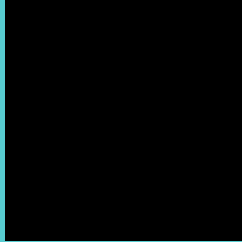
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

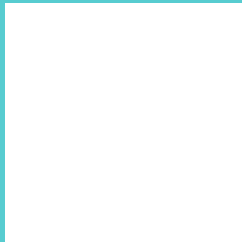
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.7660, 0.2397, 0.3231

Background



This preview shows how black text looks on a background with the Yxy color 49.7660, 0.2397, 0.3231.

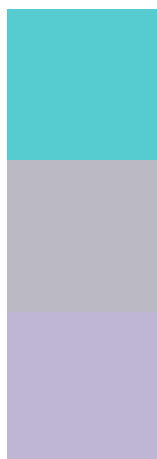


This preview shows how white text looks on a background with the Yxy color 49.7660, 0.2397, 0.3231.

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

49.7660, 0.2397, 0.3231

Protanopia

49.1225, 0.3051, 0.3151

Deuteranopia

48.9282, 0.2965, 0.2900



Tritanopia

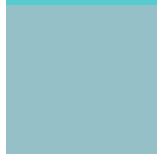
49.6308, 0.2358, 0.3054

Trichromacy



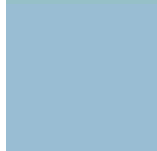
Original Color

49.7660, 0.2397, 0.3231



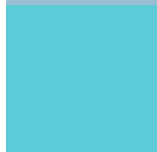
Protanomaly

48.3534, 0.2754, 0.3182



Deuteranomaly

47.8706, 0.2701, 0.3000



Tritanomaly

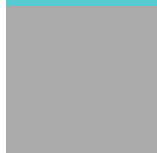
49.7918, 0.2372, 0.3121

Monochromacy



Original Color

49.7660, 0.2397, 0.3231



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

42.4920, 0.2777, 0.3260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7660, 0.2397, 0.3231 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(87, 204, 208)` looks like.

```
.text, #text, p{  
    color:rgb(87, 204, 208)  
}
```

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(87, 204, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 204, 208) }
```

Border

The CSS property to change the border of an element to Yxy 49.7660, 0.2397, 0.3231 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(87, 204, 208) }
```

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

```
.border{ border-color:rgb(87, 204, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 204, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 204, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 204, 208);  
box-shadow:4px 4px 4px 4px rgb(87, 204,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7660, 0.2397, 0.3231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 204, 208) }
```

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

```
.background{ background-color: rgb(87, 204,  
208) }
```

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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