

Converting Colors

$Yxy(47.1557, 0.2397, 0.3162)$

Have a look what the booklet for
Yxy(47.1557, 0.2397, 0.3162)
contains.

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Color

Yxy(47.0668, 0.2395, 0.3159)

Conversions

Conversions Part 1

Format	Color
Hex	5AC6CF
RGB	90, 198, 207
RGB Percent	35%, 78%, 81%
CMY	0.6465, 0.2236, 0.1882
CMYK	0.56, 0.04, 0.00, 0.19
HSL	185°, 55%, 58%
HSV	185°, 56%, 81%
XYZ	35.6838, 47.0668, 66.2422
YIQ	166.7340, -67.2570, -20.0970

Conversions

Conversions Part 2

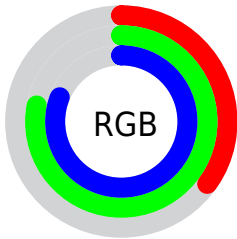
Format	Color
RYB	90, 146, 207
Decimal	5949135
CIELab	74.23, -28.23, -13.89
CIElCh	74, 31.466, 206.205
Yxy	47.0668, 0.2395, 0.3159
Android (android.graphics.Color)	4284139215 (0xFF5AC6CF)
YUV	166.7340, 19.8511, -67.2957
Hunter-Lab	68.6052, -27.2157, -9.2241

Details

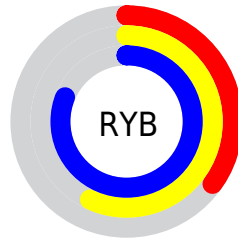
The Yxy color **47.0668, 0.2395, 0.3159** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **22.9626, 0.4752, 0.3403**, and the grayscale version is **38.4516, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2240, 0.2562, 0.3288**, and **22.2722, 0.2201, 0.3108** is the 20% darker color. If you saturate the color by 10%, you get **45.4423, 0.2315, 0.3133**, and if you desaturate by 10%, it is **48.9917, 0.2494, 0.3185**.

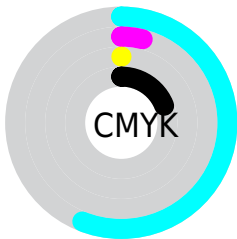
Distribution



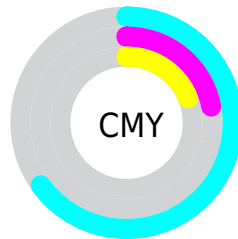
- Red (35%)
- Green (78%)
- Blue (81%)



- Red (35%)
- Yellow (57%)
- Blue (81%)



- Cyan (56%)
- Magenta (4%)
- Yellow (0%)
- Black (19%)




- Cyan (65%)
- Magenta (22%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.0668, 0.2395, 0.3159 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 47.0668, 0.2395, 0.3159 by changing the saturation by 10% instead.


 47.0668, 0.2395,
0.3159

 47.0668, 0.2395,
0.3159

375.0811, 0.2751,
0.3234

 33.0885, 0.2310,
0.3138


 85.8133, 0.2522,
0.3188

 22.1942, 0.2203,
0.3109


 111.3503, 0.2570,
0.3199

 13.9997, 0.2064,
0.3068


 141.5090, 0.2611,
0.3207

 8.1204, 0.1879,
0.3006

 176.6737, 0.2647,
0.3214

 4.1721, 0.1621,
0.2906

217.2289, 0.2678,
0.3220

 1.7703, 0.1245,
0.2726

263.5589, 0.2705,

 0.4686, 0.0000,

0.3226

0.2288

316.0482, 0.2729,
0.3230

0.0000, 0.0000,
0.0000

47.0668, 0.2395,
0.3159

47.0668, 0.2395,
0.3159

45.4423, 0.2315,
0.3133

48.9917, 0.2494,
0.3185

44.0883, 0.2254,
0.3106

51.2335, 0.2609,
0.3210

42.9777, 0.2211,
0.3080

53.8138, 0.2738,
0.3234

42.0738, 0.2186,
0.3054

56.7507, 0.2879,
0.3257

41.7789, 0.2179,
0.3045

60.0610, 0.3028,
0.3277

■ 63.7603, 0.3182,
0.3297

■ 67.8636, 0.3339,
0.3314

■ 72.2424, 0.3491,
0.3330

■ 73.0395, 0.3488,
0.3346

Harmonies

Analogous

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



47.0668, 0.2652, 0.3592



47.0668, 0.2395, 0.3159



47.0668, 0.2323, 0.2806

Triad

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



47.0668, 0.2395, 0.3159



47.0668, 0.3161, 0.2736



47.0668, 0.3833, 0.3969

Complementary

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



47.0668, 0.2395, 0.3159



22.9626, 0.4752, 0.3403

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.



47.0668, 0.4000, 0.3688



47.0668, 0.2395, 0.3159



47.0668, 0.3600, 0.3000

Square

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



47.0668, 0.2395, 0.3159



47.0668, 0.2742, 0.2596



47.0668, 0.3916, 0.3339



47.0668, 0.3479, 0.4083

Rectangle

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



47.0668, 0.2395, 0.3159



47.0668, 0.2384, 0.2659



47.0668, 0.3916, 0.3339



47.0668, 0.3914, 0.3889

Sweetspot

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



47.0686, 0.2395, 0.3159



90.5679, 0.2868, 0.3255



47.6926, 0.3005, 0.4985



19.1722, 0.2839, 0.3250



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.



47.0686, 0.2395, 0.3159



72.2686, 0.2298, 0.3126



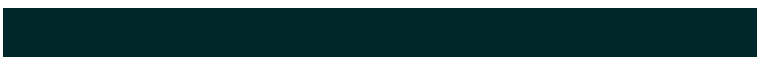
25.6726, 0.2205, 0.2265



13.2443, 0.2983, 0.3271



26.3825, 0.2180, 0.3049



1.5226, 0.2193, 0.3096

Inverse Universe

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



24.6798, 0.3289, 0.2050



33.6219, 0.3329, 0.1859



37.9081, 0.4280, 0.4103



11.9926, 0.3149, 0.3078



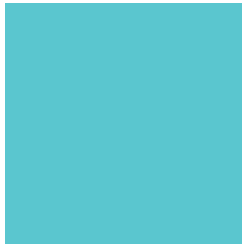
10.7346, 0.3412, 0.1653



0.6050, 0.3370, 0.1630

Previews

White Background



This preview shows how the Yxy color 47.0668, 0.2395, 0.3159 looks on a white background.

Color Contrast Check

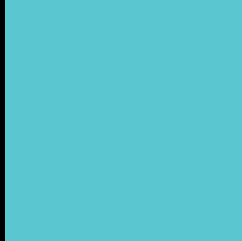
Large Text (above 18pt) WCAG AA × Fail

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 47.0668, 0.2395, 0.3159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

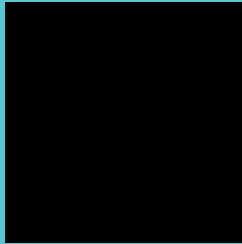
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.0668, 0.2395, 0.3159

Background



This preview shows how black text looks on a background with the Yxy color 47.0668, 0.2395, 0.3159.

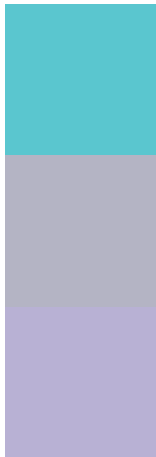


This preview shows how white text looks on a background with the Yxy color 47.0668, 0.2395, 0.3159.

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

47.0668, 0.2395, 0.3159

Protanopia

46.3313, 0.3003, 0.3084

Deuteranopia

46.3881, 0.2915, 0.2855



Tritanopia

47.0638, 0.2375, 0.3063

Trichromacy



Original Color

47.0668, 0.2395, 0.3159

Protanomaly

45.9138, 0.2727, 0.3112

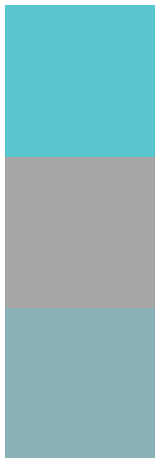
Deuteranomaly

45.8351, 0.2681, 0.2957

Tritanomaly

46.9110, 0.2380, 0.3090

Monochromacy



Original Color

47.0668, 0.2395, 0.3159

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

40.7072, 0.2779, 0.3231

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0668, 0.2395, 0.3159 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(90, 198, 207)` looks like.

```
.text, #text, p{  
    color:rgb(90, 198, 207)  
}
```

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(90, 198, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 198, 207) }
```

Border

The CSS property to change the border of an element to Yxy 47.0668, 0.2395, 0.3159 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(90, 198, 207) }
```

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

```
.border{ border-color:rgb(90, 198, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 198, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 198, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 198, 207);  
box-shadow:4px 4px 4px 4px rgb(90, 198,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0668, 0.2395, 0.3159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 198, 207) }
```

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

```
.background{ background-color: rgb(90, 198,  
207) }
```

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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