

Converting Colors

$Y_{xy}(48.7184, 0.2360, 0.3075)$

Have a look what the booklet for
Yxy(48.7184, 0.2360, 0.3075)
contains.

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Color

Yxy(48.9048, 0.2361, 0.3079)

Conversions

Conversions Part 1

Format	Color
Hex	5AC9D8
RGB	90, 201, 216
RGB Percent	35%, 79%, 85%
CMY	0.6469, 0.2118, 0.1529
CMYK	0.58, 0.07, 0.00, 0.15
HSL	187°, 62%, 60%
HSV	187°, 58%, 85%
XYZ	37.5006, 48.9048, 72.4280
YIQ	169.5210, -70.9710, -18.8670

Conversions

Conversions Part 2

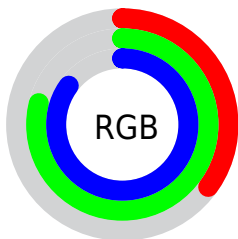
Format	Color
RYB	90, 149, 216
Decimal	5949912
CIELab	75.39, -27.21, -17.01
CIELCh	75, 32.092, 212.018
Yxy	48.9048, 0.2361, 0.3079
Android (android.graphics.Color)	4284139992 (0xFF5AC9D8)
YUV	169.5210, 22.9141, -69.7399
Hunter-Lab	69.9320, -26.6615, -12.4538

Details

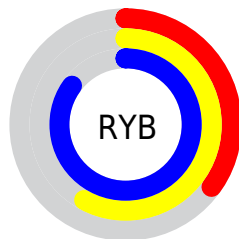
The Yxy color **48.9048, 0.2361, 0.3079** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **25.4509, 0.4798, 0.3467**, and the grayscale version is **39.8649, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3193, 0.2566, 0.3288**, and **23.4406, 0.2172, 0.3018** is the 20% darker color. If you saturate the color by 10%, you get **46.7863, 0.2279, 0.3037**, and if you desaturate by 10%, it is **51.3618, 0.2461, 0.3120**.

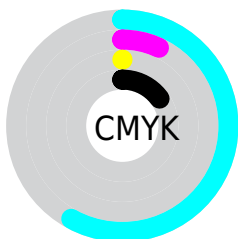
Distribution



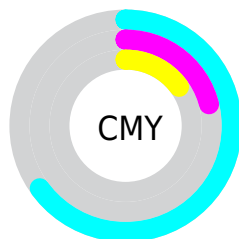
- Red (35%)
- Green (79%)
- Blue (85%)



- Red (35%)
- Yellow (58%)
- Blue (85%)



- Cyan (58%)
- Magenta (7%)
- Yellow (0%)
- Black (15%)





- Cyan (65%)
- Magenta (21%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.9048, 0.2361, 0.3079 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 48.9048, 0.2361, 0.3079 by changing the saturation by 10% instead.


 48.9048, 0.2361,
0.3079


 48.9048, 0.2361,
0.3079


382.3674, 0.2730,
0.3194

 34.5440, 0.2274,
0.3048


 88.5500, 0.2491,
0.3123


 23.3118, 0.2165,
0.3007


 114.6032, 0.2541,
0.3138

 14.8239, 0.2025,
0.2951


 145.3227, 0.2584,
0.3152

 8.6959, 0.1840,
0.2869

 181.0928, 0.2621,
0.3163

 4.5434, 0.1587,
0.2742

222.2979, 0.2653,
0.3172

 1.9819, 0.1225,
0.2527

269.3225, 0.2682,

 0.5969, 0.0000,

0.3180

0.2188

322.5508, 0.2707,
0.3188

0.0000, 0.0000,
0.0000

48.9048, 0.2361,
0.3079

48.9048, 0.2361,
0.3079

46.7863, 0.2279,
0.3037

51.3618, 0.2461,
0.3120

44.9724, 0.2216,
0.2996

54.1766, 0.2578,
0.3159

43.4320, 0.2172,
0.2954

57.3733, 0.2709,
0.3197

42.1160, 0.2145,
0.2913

60.9726, 0.2850,
0.3232

41.9036, 0.2141,
0.2906

64.9933, 0.2999,
0.3265

■ 69.4532, 0.3153,
0.3295

■ 74.3689, 0.3309,
0.3322

■ 78.2374, 0.3407,
0.3347

■ 79.6111, 0.3403,
0.3373

Harmonies

Analogous

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



48.9048, 0.2586, 0.3510



48.9048, 0.2361, 0.3079



48.9048, 0.2327, 0.2752

Triad

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



48.9048, 0.2361, 0.3079



48.9048, 0.3250, 0.2776



48.9048, 0.3781, 0.4012

Complementary

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



48.9048, 0.2361, 0.3079



25.4509, 0.4798, 0.3467

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.



48.9048, 0.3992, 0.3753



48.9048, 0.2361, 0.3079



48.9048, 0.3679, 0.3060

Square

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



48.9048, 0.2361, 0.3079



48.9048, 0.2814, 0.2608



48.9048, 0.3958, 0.3408



48.9048, 0.3399, 0.4083

Rectangle

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



48.9048, 0.2361, 0.3079



48.9048, 0.2412, 0.2626



48.9048, 0.3958, 0.3408



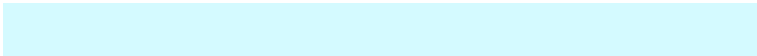
48.9048, 0.3875, 0.3942

Sweetspot

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



48.9066, 0.2361, 0.3079



89.4350, 0.2867, 0.3236



52.3024, 0.2972, 0.4964



18.9018, 0.2837, 0.3229



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.



48.9066, 0.2361, 0.3079



67.4749, 0.2262, 0.3028



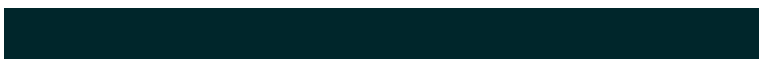
25.4054, 0.2152, 0.2123



13.8436, 0.2983, 0.3261



24.9076, 0.2142, 0.2912



1.5752, 0.2162, 0.2983

Inverse Universe

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



26.1362, 0.3356, 0.2063



32.4236, 0.3413, 0.1886



43.2392, 0.4281, 0.4196



12.6060, 0.3156, 0.3087



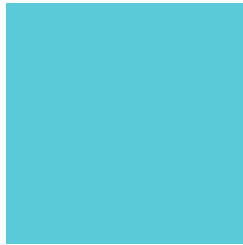
10.8593, 0.3532, 0.1720



0.6623, 0.3469, 0.1685

Previews

White Background



This preview shows how the Yxy color 48.9048, 0.2361, 0.3079 looks on a white background.

Color Contrast Check

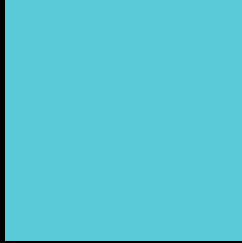
Large Text (above 18pt) WCAG AA × Fail

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 48.9048, 0.2361, 0.3079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

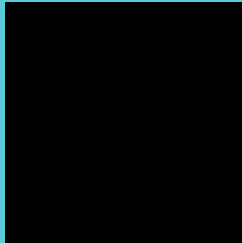
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.9048, 0.2361, 0.3079

Background



This preview shows how black text looks on a background with the Yxy color 48.9048, 0.2361, 0.3079.



This preview shows how white text looks on a background with the Yxy color 48.9048, 0.2361, 0.3079.

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

48.9048, 0.2361, 0.3079

Protanopia

48.1717, 0.2959, 0.3025

Deuteranopia

48.1773, 0.2860, 0.2790



Tritanopia

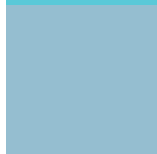
49.0072, 0.2360, 0.3066

Trichromacy



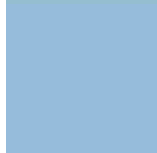
Original Color

48.9048, 0.2361, 0.3079



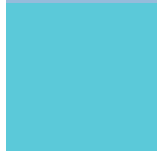
Protanomaly

47.7705, 0.2694, 0.3050



Deuteranomaly

47.5649, 0.2630, 0.2886



Tritanomaly

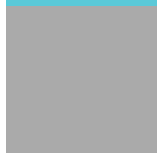
49.0072, 0.2360, 0.3066

Monochromacy



Original Color

48.9048, 0.2361, 0.3079



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

42.2983, 0.2763, 0.3204

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9048, 0.2361, 0.3079 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, 201, 216)` looks like.

```
.text, #text, p{  
    color:rgb(90, 201, 216)  
}
```

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, 201, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 201, 216) }
```

Border

The CSS property to change the border of an element to Yxy 48.9048, 0.2361, 0.3079 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, 201, 216) }
```

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

```
.border{ border-color:rgb(90, 201, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 201, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 201, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 201, 216);  
box-shadow:4px 4px 4px 4px rgb(90, 201,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9048, 0.2361, 0.3079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 201, 216) }
```

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

```
.background{ background-color: rgb(90, 201,  
216) }
```

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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