

Converting Colors

$Yxy(48.5547, 0.2360, 0.3176)$

Have a look what the booklet for
Yxy(48.5547, 0.2360, 0.3176)
contains.

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Color

Yxy(48.6435, 0.2359, 0.3174)

Conversions

Conversions Part 1

Format	Color
Hex	51CAD2
RGB	81, 202, 210
RGB Percent	32%, 79%, 82%
CMY	0.6820, 0.2079, 0.1764
CMYK	0.61, 0.04, 0.00, 0.18
HSL	184°, 59%, 57%
HSV	184°, 61%, 82%
XYZ	36.1531, 48.6435, 68.4595
YIQ	166.7330, -74.6840, -23.1640

Conversions

Conversions Part 2

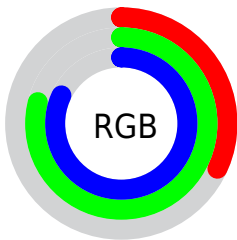
Format	Color
R_{YB}	81, 143, 210
Decimal	5360338
CIE _{Lab}	75.23, -30.95, -14.05
CIE _{LCh}	75, 33.991, 204.409
Yxy	48.6435, 0.2359, 0.3174
Android (android.graphics.Color)	4283550418 (0xFF51CAD2)
YUV	166.7330, 21.3306, -75.1878
Hunter-Lab	69.7449, -29.5259, -9.3759

Details

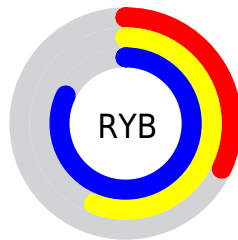
The Yxy color **48.6435, 0.2359, 0.3174** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **21.4616, 0.4993, 0.3386**, and the grayscale version is **38.4419, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5796, 0.2532, 0.3288**, and **23.2677, 0.2198, 0.3112** is the 20% darker color. If you saturate the color by 10%, you get **47.2454, 0.2290, 0.3153**, and if you desaturate by 10%, it is **50.3374, 0.2447, 0.3195**.

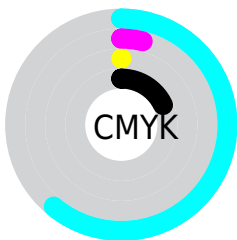
Distribution



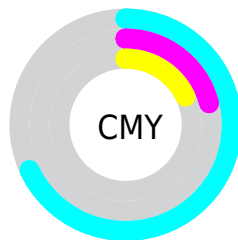
- Red (32%)
- Green (79%)
- Blue (82%)



- Red (32%)
- Yellow (56%)
- Blue (82%)



- Cyan (61%)
- Magenta (4%)
- Yellow (0%)
- Black (18%)




- Cyan (68%)
- Magenta (21%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.6435, 0.2359, 0.3174 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 48.6435, 0.2359, 0.3174 by changing the saturation by 10% instead.


 48.6435, 0.2359,
0.3174


 48.6435, 0.2359,
0.3174


381.3372, 0.2730,
0.3242


 34.3368, 0.2271,
0.3154


 88.1617, 0.2490,
0.3201

 23.1524, 0.2161,
0.3127


 114.1420, 0.2541,
0.3210

 14.7061, 0.2019,
0.3089


 144.7823, 0.2584,
0.3218

 8.6134, 0.1831,
0.3031

 180.4670, 0.2621,
0.3225

 4.4899, 0.1572,
0.2936

221.5804, 0.2653,
0.3230

 1.9512, 0.1200,
0.2765

268.5070, 0.2682,

 0.5789, 0.0000,

0.3235

0.2466

321.6311, 0.2707,
0.3239

0.0000, 0.0000,
0.0000

48.6435, 0.2359,
0.3174

48.6435, 0.2359,
0.3174

47.2454, 0.2290,
0.3153

50.3374, 0.2447,
0.3195

46.1101, 0.2240,
0.3132

52.3455, 0.2553,
0.3216

45.2067, 0.2209,
0.3111

54.6911, 0.2674,
0.3235

44.5645, 0.2193,
0.3093

57.3937, 0.2809,
0.3254

60.4714, 0.2954,
0.3272

■ 63.9410, 0.3106,
0.3288

■ 67.8182, 0.3262,
0.3303

■ 72.1179, 0.3421,
0.3316

■ 73.8759, 0.3463,
0.3329

Harmonies

Analogous

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



48.6435, 0.2641, 0.3640



48.6435, 0.2359, 0.3174



48.6435, 0.2272, 0.2790

Triad

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



48.6435, 0.2359, 0.3174



48.6435, 0.3134, 0.2689



48.6435, 0.3897, 0.3998

Complementary

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



48.6435, 0.2359, 0.3174



21.4616, 0.4993, 0.3386

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.



48.6435, 0.4062, 0.3689



48.6435, 0.2359, 0.3174



48.6435, 0.3606, 0.2962

Square

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



48.6435, 0.2359, 0.3174



48.6435, 0.2692, 0.2549



48.6435, 0.3956, 0.3316



48.6435, 0.3527, 0.4138

Rectangle

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



48.6435, 0.2359, 0.3174



48.6435, 0.2327, 0.2628



48.6435, 0.3956, 0.3316



48.6435, 0.3979, 0.3908

Sweetspot

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



48.6453, 0.2359, 0.3174



90.5031, 0.2854, 0.3260



48.5470, 0.3007, 0.5178



19.0830, 0.2812, 0.3255



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.



48.6453, 0.2359, 0.3174



72.6523, 0.2271, 0.3146



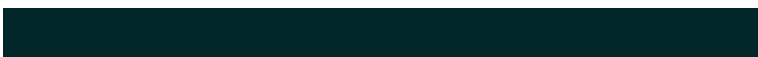
24.9037, 0.2136, 0.2190



13.2759, 0.2983, 0.3275



27.2372, 0.2194, 0.3096



1.5619, 0.2204, 0.3134

Inverse Universe

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



23.8663, 0.3283, 0.1950



31.6790, 0.3318, 0.1769



36.7541, 0.4421, 0.4135



11.9958, 0.3147, 0.3075



10.8209, 0.3370, 0.1630



0.6090, 0.3338, 0.1612

Previews

White Background



This preview shows how the Yxy color 48.6435, 0.2359, 0.3174 looks on a white background.

Color Contrast Check

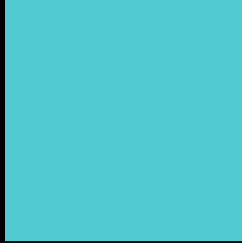
Large Text (above 18pt) WCAG AA × Fail

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 48.6435, 0.2359, 0.3174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

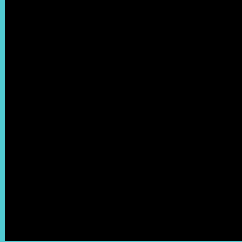
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.6435, 0.2359, 0.3174

Background



This preview shows how black text looks on a background with the Yxy color 48.6435, 0.2359, 0.3174.

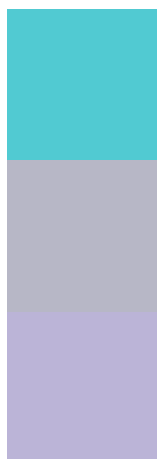


This preview shows how white text looks on a background with the Yxy color 48.6435, 0.2359, 0.3174.

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

48.6435, 0.2359, 0.3174

Protanopia

48.0115, 0.3012, 0.3100

Deuteranopia

48.1136, 0.2918, 0.2861



Tritanopia

48.6679, 0.2334, 0.3064

Trichromacy



Original Color

48.6435, 0.2359, 0.3174



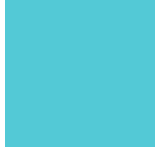
Protanomaly

47.2022, 0.2711, 0.3127



Deuteranomaly

47.0664, 0.2653, 0.2959



Tritanomaly

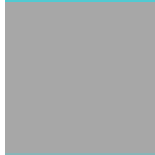
48.4673, 0.2344, 0.3105

Monochromacy



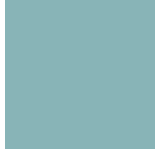
Original Color

48.6435, 0.2359, 0.3174



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

41.2957, 0.2752, 0.3245

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.6435, 0.2359, 0.3174 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(81, 202, 210)` looks like.

```
.text, #text, p{  
    color:rgb(81, 202, 210)  
}
```

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(81, 202, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 202, 210) }
```

Border

The CSS property to change the border of an element to Yxy 48.6435, 0.2359, 0.3174 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(81, 202, 210) }
```

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

```
.border{ border-color:rgb(81, 202, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 202, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 202, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 202, 210);  
box-shadow:4px 4px 4px 4px rgb(81, 202,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 48.6435, 0.2359, 0.3174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 202, 210) }
```

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

```
.background{ background-color: rgb(81, 202,  
210) }
```

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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