

# Converting Colors

$Yxy(49.5476, 0.2519, 0.3420)$

Have a look what the booklet for  
Yxy(49.5476, 0.2519, 0.3420)  
contains.

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# Color

**Yxy(49.3162, 0.2519, 0.3417)**

# Conversions

## Conversions Part 1

Format	Color
Hex	64CBC2
RGB	100, 203, 194
RGB Percent	39%, 80%, 76%
CMY	0.6076, 0.2039, 0.2391
CMYK	0.51, 0.00, 0.04, 0.20
HSL	175°, 50%, 59%
HSV	175°, 51%, 80%
XYZ	36.3557, 49.3162, 58.6541
YIQ	171.1770, -58.4990, -24.6350

# Conversions

## Conversions Part 2

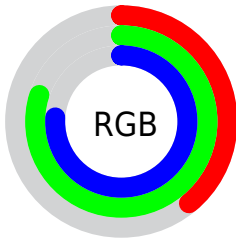
<b>Format</b>	<b>Color</b>
<b>RYB</b>	100, 154, 203
Decimal	6605762
CIELab	75.65, -32.08, -4.72
CIELCh	76, 32.427, 188.370
Yxy	49.3162, 0.2519, 0.3417
Android (android.graphics.Color)	4284795842 (0xFF64CBC2)
YUV	171.1770, 11.2517, -62.4222
Hunter-Lab	70.2255, -30.4852, -0.3626

# Details

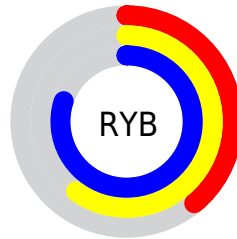
The Yxy color **49.3162, 0.2519, 0.3417** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **22.9269, 0.4432, 0.3180**, and the grayscale version is **40.7916, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6912, 0.2619, 0.3344**, and **23.4602, 0.2351, 0.3428** is the 20% darker color. If you saturate the color by 10%, you get **48.2214, 0.2443, 0.3446**, and if you desaturate by 10%, it is **50.7042, 0.2613, 0.3389**.

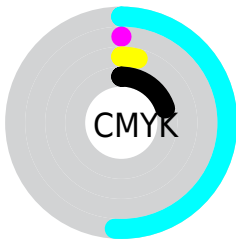
# Distribution



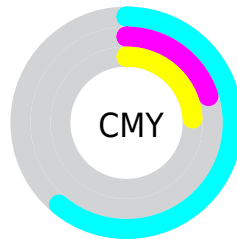
- Red (39%)
- Green (80%)
- Blue (76%)



- Red (39%)
- Yellow (60%)
- Blue (80%)



- Cyan (51%)
- Magenta (0%)
- Yellow (4%)
- Black (20%)




- Cyan (61%)
- Magenta (20%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.3162, 0.2519, 0.3417 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 49.3162, 0.2519, 0.3417 by changing the saturation by 10% instead.





 49.3162, 0.2519,  
0.3417

 49.3162, 0.2519,  
0.3417


383.9858, 0.2816,  
0.3359


 34.8704, 0.2447,  
0.3430


 89.1609, 0.2625,  
0.3397


 23.5630, 0.2357,  
0.3445


 115.3286, 0.2666,  
0.3389

 15.0098, 0.2238,  
0.3464


 146.1723, 0.2700,  
0.3383

 8.8263, 0.2078,  
0.3488

 182.0765, 0.2730,  
0.3377

 4.6280, 0.1851,  
0.3516

223.4255, 0.2755,  
0.3371

 2.0307, 0.1507,  
0.3544

270.6039, 0.2778,

 0.6252, 0.0000,

0.3367

0.3820

323.9958, 0.2798,  
0.3363

0.0000, 0.0000,  
0.0000

49.3162, 0.2519,  
0.3417

49.3162, 0.2519,  
0.3417

48.2214, 0.2443,  
0.3446

50.7042, 0.2613,  
0.3389

47.3921, 0.2386,  
0.3476

52.3993, 0.2722,  
0.3362

46.8055, 0.2348,  
0.3505

54.4211, 0.2844,  
0.3337

46.4318, 0.2328,  
0.3535

56.7862, 0.2977,  
0.3313

46.2247, 0.2323,  
0.3562

59.5100, 0.3117,  
0.3291

■ 62.6069, 0.3262,  
0.3272

■ 66.0906, 0.3409,  
0.3255

■ 68.5320, 0.3496,  
0.3238

■ 68.6197, 0.3483,  
0.3220

# Harmonies

## Analogous

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



49.3162, 0.2871, 0.3833



49.3162, 0.2519, 0.3417



49.3162, 0.2332, 0.2995

# Triad

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



49.3162, 0.2519, 0.3417



49.3162, 0.2898, 0.2627



49.3162, 0.3973, 0.3822

# Complementary

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



49.3162, 0.2519, 0.3417



22.9269, 0.4432, 0.3180

# 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.



49.3162, 0.3994, 0.3485



49.3162, 0.2519, 0.3417



49.3162, 0.3348, 0.2825

# Square

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



49.3162, 0.2519, 0.3417



49.3162, 0.2538, 0.2577



49.3162, 0.3760, 0.3129



49.3162, 0.3715, 0.4052



# Rectangle

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



49.3162, 0.2519, 0.3417



49.3162, 0.2315, 0.2779



49.3162, 0.3760, 0.3129



49.3162, 0.4009, 0.3717

# Sweetspot

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



49.3181, 0.2519, 0.3417



93.2405, 0.2916, 0.3323



46.9684, 0.3118, 0.4860



19.7778, 0.2888, 0.3328



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.



49.3181, 0.2519, 0.3417



80.5754, 0.2436, 0.3449



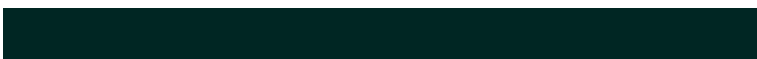
32.8023, 0.2351, 0.2666



12.7095, 0.2995, 0.3310



29.4258, 0.2322, 0.3558



1.5231, 0.2306, 0.3501



# Inverse Universe

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



22.9269, 0.4432, 0.3180



31.4616, 0.4906, 0.3168



32.7362, 0.4258, 0.3820



11.2293, 0.3277, 0.3270



8.1129, 0.6293, 0.3241

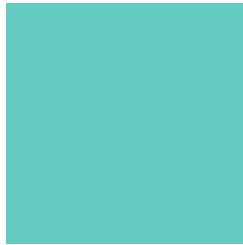


0.4241, 0.5970, 0.3062



# Previews

## White Background



This preview shows how the Yxy color 49.3162, 0.2519, 0.3417 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 49.3162, 0.2519, 0.3417 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

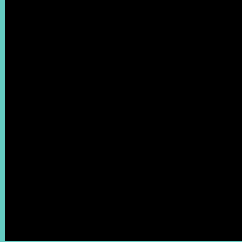
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

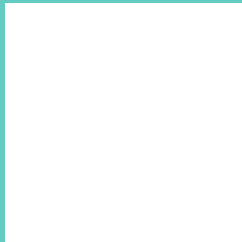
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 49.3162, 0.2519, 0.3417**

## **Background**



This preview shows how black text looks on a background with the Yxy color 49.3162, 0.2519, 0.3417.

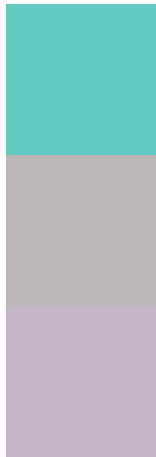


This preview shows how white text looks on a background with the Yxy color 49.3162, 0.2519, 0.3417.

# 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

49.3162, 0.2519, 0.3417

### Protanopia

48.5187, 0.3177, 0.3303

### Deuteranopia

48.6364, 0.3121, 0.3057



## Tritanopia

49.3922, 0.2430, 0.3069

# Trichromacy



**Original Color**

49.3162, 0.2519, 0.3417

**Protanomaly**

48.0176, 0.2890, 0.3343

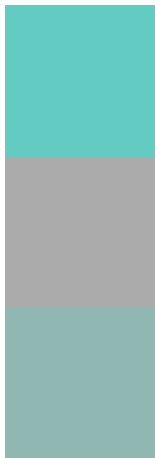
**Deuteranomaly**

47.6790, 0.2856, 0.3170

**Tritanomaly**

49.2704, 0.2459, 0.3190

# Monochromacy



**Original Color**

49.3162, 0.2519, 0.3417

**Achromatopsia**

40.7240, 0.3127, 0.3290

**Achromatomaly**

43.1414, 0.2850, 0.3346

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.3162, 0.2519, 0.3417 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(100, 203, 194)` looks like.

```
.text, #text, p{  
    color:rgb(100, 203, 194)  
}
```

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(100, 203, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 203, 194) }
```

## Border

The CSS property to change the border of an element to Yxy 49.3162, 0.2519, 0.3417 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(100, 203, 194) }
```

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

```
.border{ border-color:rgb(100, 203, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 203, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 203, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 203, 194);  
box-shadow:4px 4px 4px 4px rgb(100, 203,  
194) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.3162, 0.2519, 0.3417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 203, 194) }
```

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

```
.background{ background-color: rgb(100,  
203, 194) }
```

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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