

# Converting Colors

$Y_{xy}(43.6023, 0.2532, 0.3428)$

Have a look what the booklet for  
Yxy(43.6023, 0.2532, 0.3428)  
contains.

<b>Yxy(43.6050, 0.2530, 0.3424)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(43.6050, 0.2530, 0.3424)**

# Conversions

## Conversions Part 1

Format	Color
Hex	60C0B7
RGB	96, 192, 183
RGB Percent	38%, 75%, 72%
CMY	0.6236, 0.2470, 0.2823
CMYK	0.50, 0.00, 0.05, 0.25
HSL	174°, 43%, 56%
HSV	174°, 50%, 75%
XYZ	32.2198, 43.6050, 51.5262
YIQ	162.2700, -54.3270, -23.1510

# Conversions

## Conversions Part 2

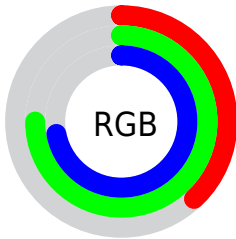
Format	Color
<b>RYB</b>	96, 146, 192
Decimal	6340791
CIELab	71.96, -30.52, -4.19
CIELCh	72, 30.810, 187.822
Yxy	43.6050, 0.2530, 0.3424
Android (android.graphics.Color)	4284530871 (0xFF60C0B7)
YUV	162.2700, 10.2199, -58.1188
Hunter-Lab	66.0341, -28.4647, -0.0400

# Details

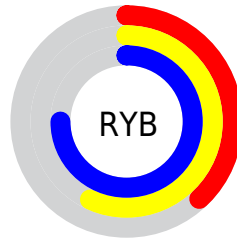
The Yxy color **43.6050, 0.2530, 0.3424** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **20.5877, 0.4388, 0.3173**, and the grayscale version is **36.2331, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7557, 0.2638, 0.3403**, and **20.1120, 0.2364, 0.3460** is the 20% darker color. If you saturate the color by 10%, you get **42.6153, 0.2453, 0.3455**, and if you desaturate by 10%, it is **44.8534, 0.2624, 0.3394**.

# Distribution



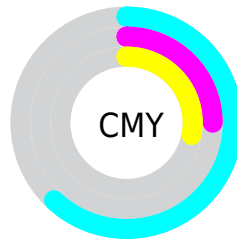
- Red (38%)
- Green (75%)
- Blue (72%)



- Red (38%)
- Yellow (57%)
- Blue (75%)



- Cyan (50%)
- Magenta (0%)
- Yellow (5%)
- Black (25%)




- Cyan (62%)
- Magenta (25%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.6050, 0.2530, 0.3424 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 43.6050, 0.2530, 0.3424 by changing the saturation by 10% instead.





 43.6050, 0.2530,  
0.3424


 43.6050, 0.2530,  
0.3424


361.0939, 0.2828,  
0.3361


 30.3601, 0.2456,  
0.3439


 80.6230, 0.2638,  
0.3402

 20.1121, 0.2362,  
0.3456


 105.1650, 0.2679,  
0.3393

 12.4765, 0.2237,  
0.3479


 134.2413, 0.2713,  
0.3386

 7.0691, 0.2064,  
0.3507

 168.2366, 0.2743,  
0.3380

 3.5053, 0.1812,  
0.3542

207.5351, 0.2768,  
0.3374

 1.4009, 0.1326,  
0.3617

252.5212, 0.2791,

 0.2174, 0.0000,

0.3369

0.2909

303.5793, 0.2810,  
0.3365

0.0000, 0.0000,  
0.0000

43.6050, 0.2530,  
0.3424

43.6050, 0.2530,  
0.3424

42.6153, 0.2453,  
0.3455

44.8534, 0.2624,  
0.3394

41.8602, 0.2395,  
0.3487

46.3722, 0.2734,  
0.3365

41.3201, 0.2356,  
0.3519

48.1788, 0.2856,  
0.3338

40.9696, 0.2335,  
0.3551

50.2873, 0.2988,  
0.3313

40.7589, 0.2328,  
0.3582

52.7112, 0.3127,  
0.3290

■ 55.4631, 0.3270,  
0.3269

■ 58.5548, 0.3416,  
0.3251

■ 61.9975, 0.3561,  
0.3234

■ 63.0941, 0.3591,  
0.3217

# Harmonies

## Analogous

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



43.6050, 0.2881, 0.3833



43.6050, 0.2530, 0.3424



43.6050, 0.2341, 0.3005

# Triad

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



43.6050, 0.2530, 0.3424



43.6050, 0.2893, 0.2631



43.6050, 0.3967, 0.3812

# Complementary

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



43.6050, 0.2530, 0.3424



20.5877, 0.4388, 0.3173

# 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.



43.6050, 0.3983, 0.3477



43.6050, 0.2530, 0.3424



43.6050, 0.3337, 0.2824

# Square

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



43.6050, 0.2530, 0.3424



43.6050, 0.2539, 0.2584



43.6050, 0.3747, 0.3125



43.6050, 0.3716, 0.4042



# Rectangle

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



43.6050, 0.2530, 0.3424



43.6050, 0.2322, 0.2789



43.6050, 0.3747, 0.3125



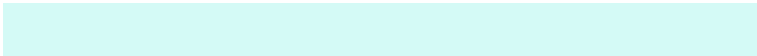
43.6050, 0.4001, 0.3707

# Sweetspot

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



43.6067, 0.2530, 0.3424



89.0458, 0.2918, 0.3326



41.5842, 0.3119, 0.4829



18.9324, 0.2890, 0.3331



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



43.6067, 0.2530, 0.3424



77.0644, 0.2447, 0.3458



29.2688, 0.2364, 0.2679



11.4117, 0.2997, 0.3311



27.4308, 0.2327, 0.3578



1.1900, 0.2308, 0.3507



# Inverse Universe

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



20.5877, 0.4388, 0.3173



30.6270, 0.4845, 0.3159



29.2088, 0.4232, 0.3812



10.0929, 0.3275, 0.3269



7.5754, 0.6280, 0.3233

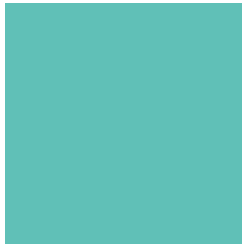


0.3326, 0.5896, 0.3022



# Previews

## White Background



This preview shows how the Yxy color 43.6050, 0.2530, 0.3424 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 43.6050, 0.2530, 0.3424 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

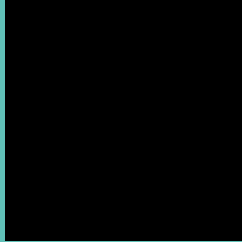
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

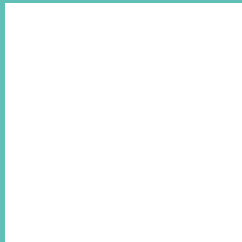
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 43.6050, 0.2530, 0.3424**

## **Background**



This preview shows how black text looks on a background with the Yxy color 43.6050, 0.2530, 0.3424.

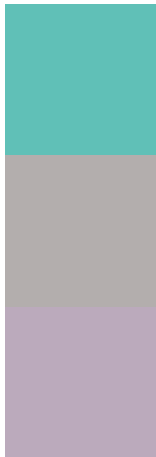


This preview shows how white text looks on a background with the Yxy color 43.6050, 0.2530, 0.3424.

# 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

43.6050, 0.2530, 0.3424

### Protanopia

42.8729, 0.3180, 0.3304

### Deuteranopia

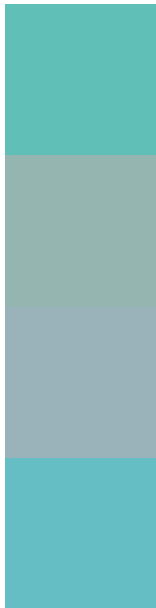
42.9451, 0.3129, 0.3058



## Tritanopia

43.6384, 0.2442, 0.3072

# Trichromacy



**Original Color**

43.6050, 0.2530, 0.3424

**Protanomaly**

42.6116, 0.2894, 0.3346

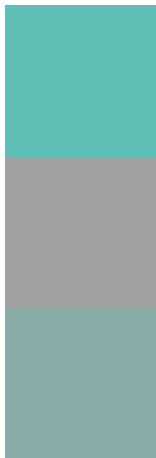
**Deuteranomaly**

42.2560, 0.2866, 0.3178

**Tritanomaly**

43.5218, 0.2473, 0.3200

# Monochromacy



**Original Color**

43.6050, 0.2530, 0.3424

**Achromatopsia**

36.1307, 0.3127, 0.3290

**Achromatomaly**

38.1927, 0.2853, 0.3334

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.6050, 0.2530, 0.3424 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(96, 192, 183)` looks like.

```
.text, #text, p{  
    color:rgb(96, 192, 183)  
}
```

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(96, 192, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 192, 183) }
```

## Border

The CSS property to change the border of an element to Yxy 43.6050, 0.2530, 0.3424 is called "border". The border property can be set on classes, ids or directly on the HTML element.

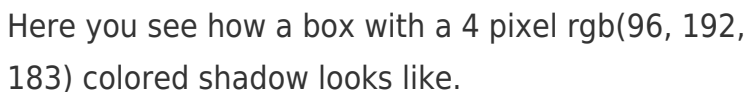
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(96, 192, 183) }
```

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

```
.border{ border-color:rgb(96, 192, 183) }
```

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



Here you see how a box with a 4 pixel `rgb(96, 192, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(96, 192, 183); -webkit-box-shadow:4px 4px 4px 4px rgb(96, 192, 183); box-shadow:4px 4px 4px 4px rgb(96, 192, 183) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.6050, 0.2530, 0.3424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 192, 183) }
```

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

```
.background{ background-color: rgb(96, 192,  
183) }
```

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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