

# Converting Colors

$Y_{xy}(40.8240, 0.2533, 0.3428)$

Have a look what the booklet for  
Yxy(40.8240, 0.2533, 0.3428)  
contains.

<b>Yxy(40.6193, 0.2533, 0.3428)</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(40.6193, 0.2533, 0.3428)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5DBAB1
RGB	93, 186, 177
RGB Percent	36%, 73%, 69%
CMY	0.6351, 0.2706, 0.3058
CMYK	0.50, 0.00, 0.05, 0.27
HSL	174°, 40%, 55%
HSV	174°, 50%, 73%
XYZ	30.0142, 40.6193, 47.8592
YIQ	157.1670, -52.5390, -22.5150

# Conversions

## Conversions Part 2

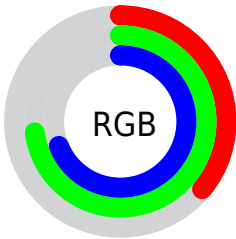
<b>Format</b>	<b>Color</b>
<b>RYB</b>	93, 142, 186
Decimal	6142641
CIELab	69.91, -29.81, -3.95
CIELCh	70, 30.069, 187.545
Yxy	40.6193, 0.2533, 0.3428
Android (android.graphics.Color)	4284332721 (0xFF5DBAB1)
YUV	157.1670, 9.7777, -56.2745
Hunter-Lab	63.7333, -27.4714, 0.0907

# Details

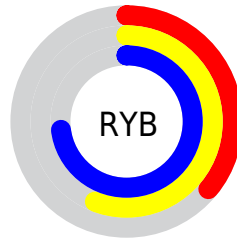
The Yxy color **40.6193, 0.2533, 0.3428** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **19.2383, 0.4377, 0.3169**, and the grayscale version is **33.7765, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8715, 0.2641, 0.3394**, and **18.2592, 0.2356, 0.3444** is the 20% darker color. If you saturate the color by 10%, you get **39.6935, 0.2456, 0.3460**, and if you desaturate by 10%, it is **41.7853, 0.2627, 0.3397**.

# Distribution



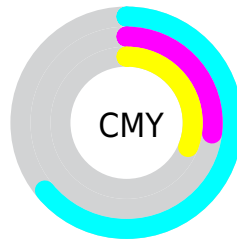
- Red (36%)
- Green (73%)
- Blue (69%)



- Red (36%)
- Yellow (56%)
- Blue (73%)



- Cyan (50%)
- Magenta (0%)
- Yellow (5%)
- Black (27%)




- Cyan (64%)
- Magenta (27%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 40.6193, 0.2533, 0.3428 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 40.6193, 0.2533, 0.3428 by changing the saturation by 10% instead.





 40.6193, 0.2533,  
0.3428


 40.6193, 0.2533,  
0.3428


348.7270, 0.2833,  
0.3362


 28.0217, 0.2457,  
0.3444


 76.1056, 0.2643,  
0.3405


 18.3420, 0.2360,  
0.3463


 99.7632, 0.2684,  
0.3396

 11.1958, 0.2230,  
0.3487


 127.8762, 0.2718,  
0.3388

 6.1987, 0.2049,  
0.3518

 160.8291, 0.2748,  
0.3381

 2.9663, 0.1780,  
0.3557

199.0062, 0.2773,  
0.3375

 1.1142, 0.1052,  
0.3722

242.7920, 0.2796,

 0.0000, 0.0000,

0.3370

0.0000

292.5707, 0.2816,  
0.3366

■ 40.6193, 0.2533,  
0.3428

■ 40.6193, 0.2533,  
0.3428

■ 39.6935, 0.2456,  
0.3460

■ 41.7853, 0.2627,  
0.3397

■ 38.9858, 0.2398,  
0.3493

■ 43.2023, 0.2736,  
0.3367

■ 38.4778, 0.2359,  
0.3526

■ 44.8863, 0.2858,  
0.3339

■ 38.1463, 0.2338,  
0.3559

■ 46.8506, 0.2989,  
0.3314


■ 37.9441, 0.2331,  
0.3591

■ 49.1075, 0.3128,  
0.3290

 37.9435, 0.2331,  
0.3591

 51.6685, 0.3270,  
0.3269

 54.5448, 0.3415,  
0.3250

 57.7468, 0.3559,  
0.3233

 60.2345, 0.3655,  
0.3217

# Harmonies

## Analogous

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



40.6193, 0.2885, 0.3836



40.6193, 0.2533, 0.3428



40.6193, 0.2342, 0.3009

# Triad

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



40.6193, 0.2533, 0.3428



40.6193, 0.2889, 0.2630



40.6193, 0.3968, 0.3809

# Complementary

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



40.6193, 0.2533, 0.3428



19.2383, 0.4377, 0.3169

# 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.



40.6193, 0.3981, 0.3474



40.6193, 0.2533, 0.3428



40.6193, 0.3333, 0.2822

# Square

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



40.6193, 0.2533, 0.3428



40.6193, 0.2536, 0.2585



40.6193, 0.3743, 0.3122



40.6193, 0.3718, 0.4040



# Rectangle

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



40.6193, 0.2533, 0.3428



40.6193, 0.2322, 0.2792



40.6193, 0.3743, 0.3122



40.6193, 0.4001, 0.3704

# Sweetspot

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



40.6209, 0.2533, 0.3428



82.9790, 0.2919, 0.3327



38.7527, 0.3119, 0.4824



18.1105, 0.2891, 0.3332



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290



# Same Dimension

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



40.6209, 0.2533, 0.3428



71.8017, 0.2449, 0.3464



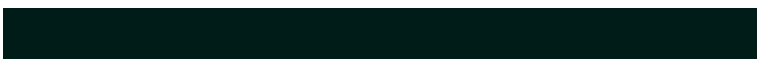
27.3139, 0.2366, 0.2681



10.1953, 0.2998, 0.3312



25.5349, 0.2330, 0.3587



0.9045, 0.2306, 0.3503



# Inverse Universe

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



19.2383, 0.4377, 0.3169



28.5990, 0.4835, 0.3154



27.2578, 0.4227, 0.3810



9.0259, 0.3273, 0.3268



7.0577, 0.6272, 0.3229

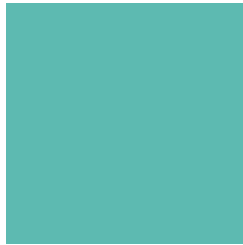


0.2535, 0.5829, 0.2985



# Previews

## White Background



This preview shows how the Yxy color 40.6193, 0.2533, 0.3428 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 40.6193, 0.2533, 0.3428 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

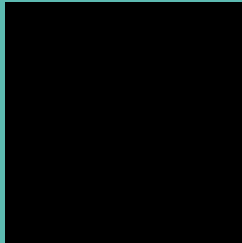
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

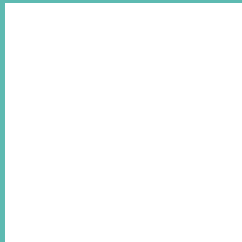
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 40.6193, 0.2533, 0.3428**

## Background



This preview shows how black text looks on a background with the Yxy color 40.6193, 0.2533, 0.3428.

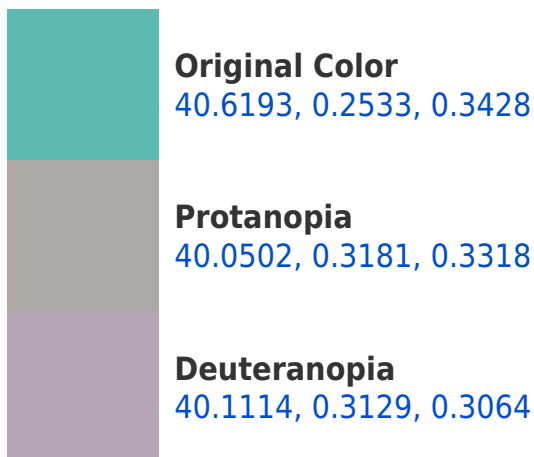


This preview shows how white text looks on a background with the Yxy color 40.6193, 0.2533, 0.3428.

# 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

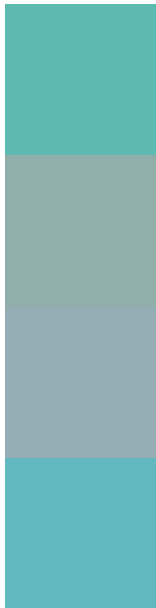




## Tritanopia

40.6535, 0.2442, 0.3066

# Trichromacy



**Original Color**

40.6193, 0.2533, 0.3428

**Protanomaly**

39.5295, 0.2895, 0.3348

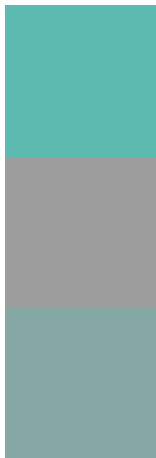
**Deuteranomaly**

39.5720, 0.2867, 0.3189

**Tritanomaly**

40.5401, 0.2474, 0.3197

# Monochromacy



**Original Color**

40.6193, 0.2533, 0.3428

**Achromatopsia**

33.7164, 0.3127, 0.3290

**Achromatomaly**

35.7539, 0.2862, 0.3351

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 40.6193, 0.2533, 0.3428 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(93, 186, 177)` looks like.

```
.text, #text, p{  
    color:rgb(93, 186, 177)  
}
```

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(93, 186, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 186, 177) }
```

## Border

The CSS property to change the border of an element to Yxy 40.6193, 0.2533, 0.3428 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(93, 186, 177) }
```

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

```
.border{ border-color:rgb(93, 186, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 186, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 186, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 186, 177);  
box-shadow:4px 4px 4px 4px rgb(93, 186,  
177) }
```



# Background

The CSS property to change the background color of an element to Yxy 40.6193, 0.2533, 0.3428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 186, 177) }
```

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

```
.background{ background-color: rgb(93, 186,  
177) }
```

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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