

# Converting Colors

$Y_{xy}(40.5855, 0.2573, 0.3512)$

Have a look what the booklet for  
Yxy(40.5855, 0.2573, 0.3512)  
contains.

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# Color

**Yxy(40.5293, 0.2573, 0.3508)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5FBAAC
RGB	95, 186, 172
RGB Percent	37%, 73%, 67%
CMY	0.6273, 0.2706, 0.3255
CMYK	0.49, 0.00, 0.08, 0.27
HSL	171°, 40%, 55%
HSV	171°, 49%, 73%
XYZ	29.7269, 40.5293, 45.2777
YIQ	157.1950, -49.7420, -23.6460

# Conversions

## Conversions Part 2

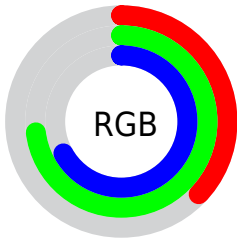
<b>Format</b>	<b>Color</b>
<b>RYB</b>	95, 144, 186
Decimal	6273708
CIELab	69.84, -30.62, -1.27
CIELCh	70, 30.651, 182.380
Yxy	40.5293, 0.2573, 0.3508
Android (android.graphics.Color)	4284463788 (0xFF5FBAAC)
YUV	157.1950, 7.2989, -54.5450
Hunter-Lab	63.6626, -28.0601, 2.3960

# Details

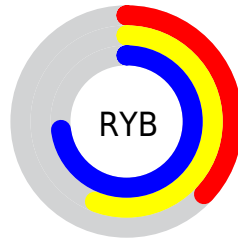
The Yxy color **40.5293, 0.2573, 0.3508** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **19.7376, 0.4255, 0.3098**, and the grayscale version is **33.7980, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2265, 0.2677, 0.3478**, and **18.1987, 0.2406, 0.3559** is the 20% darker color. If you saturate the color by 10%, you get **39.5414, 0.2499, 0.3561**, and if you desaturate by 10%, it is **41.7606, 0.2664, 0.3458**.

# Distribution



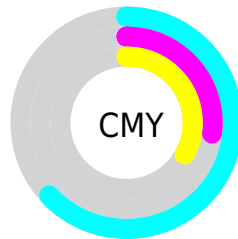
- Red (37%)
- Green (73%)
- Blue (67%)



- Red (37%)
- Yellow (56%)
- Blue (73%)



- Cyan (49%)
- Magenta (0%)
- Yellow (8%)
- Black (27%)




- Cyan (63%)
- Magenta (27%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 40.5293, 0.2573, 0.3508 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 40.5293, 0.2573, 0.3508 by changing the saturation by 10% instead.





 40.5293, 0.2573,  
0.3508


 40.5293, 0.2573,  
0.3508


348.3495, 0.2854,  
0.3399


 27.9515, 0.2502,  
0.3535


 75.9688, 0.2676,  
0.3468


 18.2891, 0.2409,  
0.3571


 99.5993, 0.2715,  
0.3453

 11.1577, 0.2286,  
0.3617


 127.6829, 0.2747,  
0.3441

 6.1730, 0.2112,  
0.3682

 160.6038, 0.2775,  
0.3430

 2.9506, 0.1851,  
0.3777

198.7465, 0.2799,  
0.3420

 1.1060, 0.1066,  
0.4089

242.4954, 0.2820,

 0.0000, 0.0000,

0.3412

0.0000

292.2350, 0.2838,  
0.3405

■ 40.5293, 0.2573,  
0.3508

■ 40.5293, 0.2573,  
0.3508

■ 39.5414, 0.2499,  
0.3561

■ 41.7606, 0.2664,  
0.3458

■ 38.7749, 0.2442,  
0.3614

■ 43.2460, 0.2769,  
0.3410

■ 38.2119, 0.2405,  
0.3669


■ 45.0013, 0.2886,  
0.3365


■ 37.8294, 0.2387,  
0.3723

■ 47.0397, 0.3011,  
0.3324


■ 37.5874, 0.2384,  
0.3777

■ 49.3735, 0.3142,  
0.3286

 37.5634, 0.2384,  
0.3783

 52.0141, 0.3276,  
0.3252

 54.9727, 0.3412,  
0.3222

 58.2595, 0.3546,  
0.3195

 60.4444, 0.3616,  
0.3169

# Harmonies

## Analogous

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



40.5293, 0.2953, 0.3905



40.5293, 0.2573, 0.3508



40.5293, 0.2347, 0.3070

# Triad

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



40.5293, 0.2573, 0.3508



40.5293, 0.2813, 0.2598



40.5293, 0.4005, 0.3764

# Complementary

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



40.5293, 0.2573, 0.3508



19.7376, 0.4255, 0.3098

# 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.



40.5293, 0.3974, 0.3414



40.5293, 0.2573, 0.3508



40.5293, 0.3257, 0.2771

# Square

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



40.5293, 0.2573, 0.3508



40.5293, 0.2479, 0.2581



40.5293, 0.3693, 0.3060



40.5293, 0.3787, 0.4026



# Rectangle

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



40.5293, 0.2573, 0.3508



40.5293, 0.2304, 0.2832



40.5293, 0.3693, 0.3060



40.5293, 0.4025, 0.3652

# Sweetspot

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



40.5309, 0.2573, 0.3508



82.8565, 0.2930, 0.3349



39.2728, 0.3165, 0.4766



18.0799, 0.2904, 0.3358



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.



40.5309, 0.2573, 0.3508



71.5034, 0.2492, 0.3566



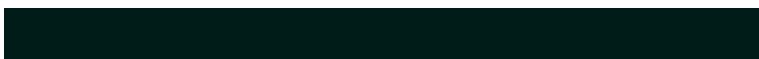
29.6511, 0.2400, 0.2800



10.1862, 0.3005, 0.3325



25.2807, 0.2382, 0.3776



0.8977, 0.2344, 0.3637



# Inverse Universe

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



19.7376, 0.4255, 0.3098



29.2954, 0.4679, 0.3069



26.0260, 0.4241, 0.3717



9.0342, 0.3264, 0.3255



7.0889, 0.6161, 0.3167

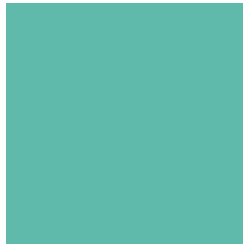


0.2571, 0.5549, 0.2830



# Previews

## White Background



This preview shows how the Yxy color 40.5293, 0.2573, 0.3508 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 40.5293, 0.2573, 0.3508 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

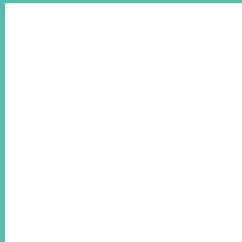
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 40.5293, 0.2573, 0.3508**

## Background



This preview shows how black text looks on a background with the Yxy color 40.5293, 0.2573, 0.3508.

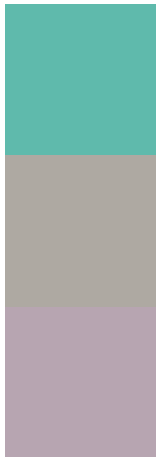


This preview shows how white text looks on a background with the Yxy color 40.5293, 0.2573, 0.3508.

# 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

40.5293, 0.2573, 0.3508

### Protanopia

39.9832, 0.3233, 0.3387

### Deuteranopia

40.1519, 0.3190, 0.3131



## Tritanopia

40.3707, 0.2461, 0.3066

# Trichromacy



## Original Color

40.5293, 0.2573, 0.3508

## Protanomaly

39.4329, 0.2941, 0.3422

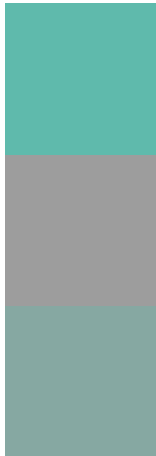
## Deuteranomaly

39.5616, 0.2921, 0.3261

## Tritanomaly

40.2071, 0.2498, 0.3212

# Monochromacy



## Original Color

40.5293, 0.2573, 0.3508

## Achromatopsia

33.7164, 0.3127, 0.3290

## Achromatomaly

35.6822, 0.2877, 0.3382

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 40.5293, 0.2573, 0.3508 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(95, 186, 172)` looks like.

```
.text, #text, p{  
    color:rgb(95, 186, 172)  
}
```

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(95, 186, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 186, 172) }
```

## Border

The CSS property to change the border of an element to Yxy 40.5293, 0.2573, 0.3508 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(95, 186, 172) }
```

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

```
.border{ border-color:rgb(95, 186, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 186, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 186, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 186, 172);  
box-shadow:4px 4px 4px 4px rgb(95, 186,  
172) }
```



# Background

The CSS property to change the background color of an element to Yxy 40.5293, 0.2573, 0.3508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 186, 172) }
```

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

```
.background{ background-color: rgb(95, 186,  
172) }
```

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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