

Converting Colors

$Yxy(40.3613, 0.2507, 0.3350)$

Have a look what the booklet for
Yxy(40.3613, 0.2507, 0.3350)
contains.

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Color

Yxy(40.3613, 0.2507, 0.3350)

Conversions

Conversions Part 1

Format	Color
Hex	5DB9B5
RGB	93, 185, 181
RGB Percent	36%, 73%, 71%
CMY	0.6352, 0.2745, 0.2902
CMYK	0.50, 0.00, 0.02, 0.27
HSL	177°, 40%, 55%
HSV	177°, 50%, 73%
XYZ	30.2047, 40.3613, 49.9155
YIQ	157.0360, -53.5480, -20.7480

Conversions

Conversions Part 2

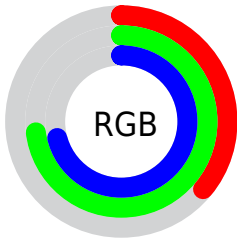
Format	Color
RYB	93, 140, 185
Decimal	6142389
CIELab	69.73, -28.30, -6.41
CIElCh	70, 29.021, 192.760
Yxy	40.3613, 0.2507, 0.3350
Android (android.graphics.Color)	4284332469 (0xFF5DB9B5)
YUV	157.0360, 11.8143, -56.1596
Hunter-Lab	63.5305, -26.3131, -2.1123

Details

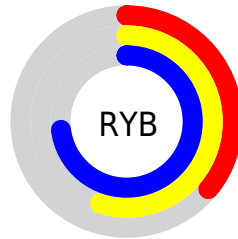
The Yxy color **40.3613, 0.2507, 0.3350** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **19.0094, 0.4443, 0.3238**, and the grayscale version is **33.7003, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.5090, 0.2620, 0.3335**, and **18.0523, 0.2326, 0.3354** is the 20% darker color. If you saturate the color by 10%, you get **39.4784, 0.2426, 0.3364**, and if you desaturate by 10%, it is **41.4811, 0.2606, 0.3336**.

Distribution



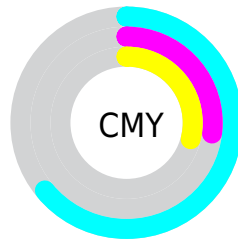
- Red (36%)
- Green (73%)
- Blue (71%)



- Red (36%)
- Yellow (55%)
- Blue (73%)



- Cyan (50%)
- Magenta (0%)
- Yellow (2%)
- Black (27%)





- Cyan (64%)
- Magenta (27%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.3613, 0.2507, 0.3350 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 40.3613, 0.2507, 0.3350 by changing the saturation by 10% instead.


 40.3613, 0.2507,
0.3350


 40.3613, 0.2507,
0.3350


347.6441, 0.2819,
0.3325


 27.8204, 0.2429,
0.3354


 75.7134, 0.2621,
0.3342


 18.1903, 0.2328,
0.3359


 99.2933, 0.2664,
0.3339

 11.0867, 0.2194,
0.3362


 127.3217, 0.2700,
0.3336

 6.1252, 0.2008,
0.3363

 160.1829, 0.2730,
0.3333

 2.9213, 0.1733,
0.3353

198.2613, 0.2757,
0.3331

 1.0908, 0.1038,
0.3405

241.9414, 0.2780,

 0.0000, 0.0000,

0.3329

0.0000

291.6075, 0.2801,
0.3327

■ 40.3613, 0.2507,
0.3350

■ 40.3613, 0.2507,
0.3350

■ 39.4784, 0.2426,
0.3364

■ 41.4811, 0.2606,
0.3336

■ 38.8104, 0.2364,
0.3378

■ 42.8484, 0.2720,
0.3324

■ 38.3396, 0.2321,
0.3392


■ 44.4790, 0.2847,
0.3311

■ 38.0429, 0.2295,
0.3407

■ 46.3858, 0.2985,
0.3300

■ 37.8755, 0.2284,
0.3421

■ 48.5810, 0.3131,
0.3290

 37.8713, 0.2284,
0.3421

 51.0762, 0.3282,
0.3280

 53.8821, 0.3435,
0.3272

 57.0090, 0.3588,
0.3265

 59.5998, 0.3700,
0.3258

Harmonies

Analogous

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



40.3613, 0.2826, 0.3757



40.3613, 0.2507, 0.3350



40.3613, 0.2353, 0.2958

Triad

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



40.3613, 0.2507, 0.3350



40.3613, 0.2969, 0.2673



40.3613, 0.3913, 0.3843

Complementary

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



40.3613, 0.2507, 0.3350



19.0094, 0.4443, 0.3238

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.



40.3613, 0.3969, 0.3529



40.3613, 0.2507, 0.3350



40.3613, 0.3402, 0.2881

Square

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



40.3613, 0.2507, 0.3350



40.3613, 0.2604, 0.2602



40.3613, 0.3778, 0.3185



40.3613, 0.3640, 0.4037

Rectangle

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



40.3613, 0.2507, 0.3350



40.3613, 0.2355, 0.2765



40.3613, 0.3778, 0.3185



40.3613, 0.3959, 0.3747

Sweetspot

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



40.3629, 0.2507, 0.3350



81.1262, 0.2908, 0.3306



38.0645, 0.3086, 0.4830



17.3388, 0.2879, 0.3309



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



40.3629, 0.2507, 0.3350



70.5328, 0.2417, 0.3366



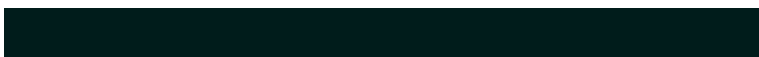
25.6588, 0.2355, 0.2606



10.2037, 0.2991, 0.3300



25.7894, 0.2283, 0.3419



0.9112, 0.2273, 0.3383

Inverse Universe

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



19.0094, 0.4443, 0.3238



27.7786, 0.4936, 0.3233



28.2687, 0.4185, 0.3870



9.0184, 0.3281, 0.3280



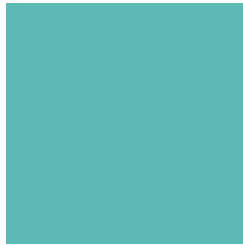
7.0379, 0.6345, 0.3269



0.2503, 0.6126, 0.3148

Previews

White Background



This preview shows how the Yxy color 40.3613, 0.2507, 0.3350 looks on a white background.

Color Contrast Check

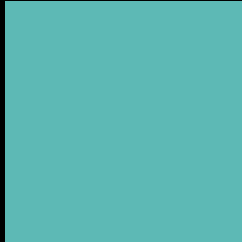
Large Text (above 18pt) WCAG AA × Fail

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 40.3613, 0.2507, 0.3350 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

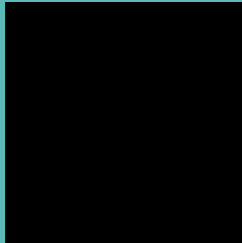
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

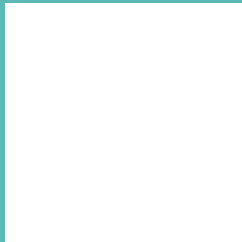
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.3613, 0.2507, 0.3350

Background



This preview shows how black text looks on a background with the Yxy color 40.3613, 0.2507, 0.3350.

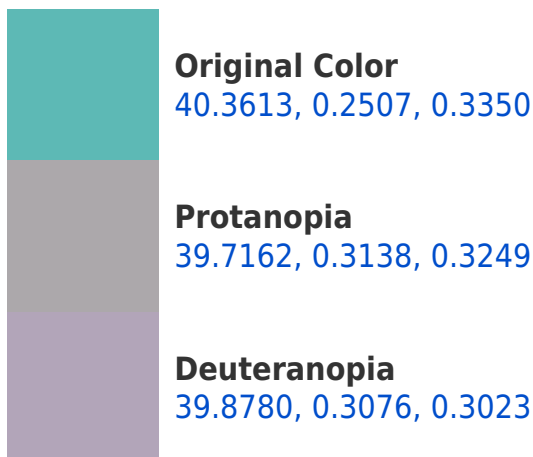


This preview shows how white text looks on a background with the Yxy color 40.3613, 0.2507, 0.3350.

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

40.4949, 0.2437, 0.3080

Trichromacy



Original Color

40.3613, 0.2507, 0.3350

Protanomaly

39.2069, 0.2857, 0.3275

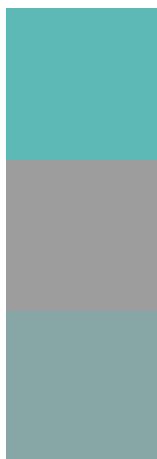
Deuteranomaly

39.1688, 0.2820, 0.3117

Tritanomaly

40.5294, 0.2463, 0.3182

Monochromacy



Original Color

40.3613, 0.2507, 0.3350

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

35.4589, 0.2845, 0.3305

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.3613, 0.2507, 0.3350 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, 185, 181)` looks like.

```
.text, #text, p{  
    color:rgb(93, 185, 181)  
}
```

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, 185, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 185, 181) }
```

Border

The CSS property to change the border of an element to Yxy 40.3613, 0.2507, 0.3350 is called "border". The border property can be set on classes, ids or directly on the HTML element.

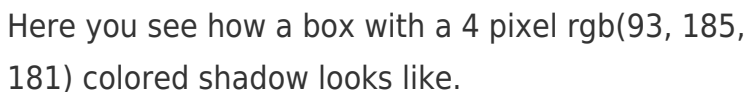
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(93, 185, 181) }
```

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

```
.border{ border-color:rgb(93, 185, 181) }
```

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



Here you see how a box with a 4 pixel `rgb(93, 185, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 185, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 185, 181);  
box-shadow:4px 4px 4px 4px rgb(93, 185,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 40.3613, 0.2507, 0.3350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 185, 181) }
```

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

```
.background{ background-color: rgb(93, 185,  
181) }
```

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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