

Converting Colors

$Y_{xy}(40.9916, 0.2516, 0.3444)$

Have a look what the booklet for
Yxy(40.9916, 0.2516, 0.3444)
contains.

Yxy(40.8388, 0.2515, 0.3444)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.8388, 0.2515, 0.3444)

Conversions

Conversions Part 1

Format	Color
Hex	59BBB1
RGB	89, 187, 177
RGB Percent	35%, 73%, 69%
CMY	0.6512, 0.2666, 0.3058
CMYK	0.52, 0.00, 0.05, 0.27
HSL	174°, 42%, 54%
HSV	174°, 52%, 73%
XYZ	29.8228, 40.8388, 47.9180
YIQ	156.5580, -55.1980, -23.8860

Conversions

Conversions Part 2

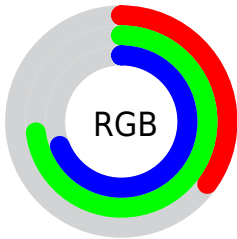
Format	Color
RYB	89, 141, 187
Decimal	5880753
CIELab	70.06, -31.20, -3.74
CIELCh	70, 31.424, 186.843
Yxy	40.8388, 0.2515, 0.3444
Android (android.graphics.Color)	4284070833 (0xFF59BBB1)
YUV	156.5580, 10.0779, -59.2484
Hunter-Lab	63.9052, -28.5333, 0.2763

Details

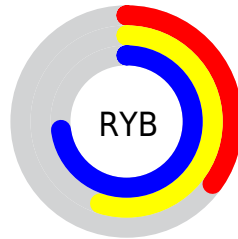
The Yxy color **40.8388, 0.2515, 0.3444** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **18.5989, 0.4467, 0.3158**, and the grayscale version is **33.4746, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.6956, 0.2625, 0.3418**, and **18.4152, 0.2334, 0.3467** is the 20% darker color. If you saturate the color by 10%, you get **39.9552, 0.2443, 0.3478**, and if you desaturate by 10%, it is **41.9616, 0.2605, 0.3411**.

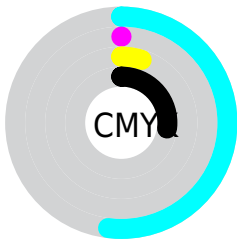
Distribution



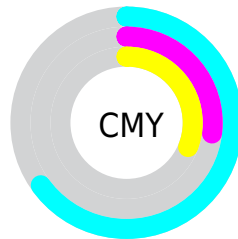
- Red (35%)
- Green (73%)
- Blue (69%)



- Red (35%)
- Yellow (55%)
- Blue (73%)



- Cyan (52%)
- Magenta (0%)
- Yellow (5%)
- Black (27%)





- Cyan (65%)
- Magenta (27%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8388, 0.2515, 0.3444 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 40.8388, 0.2515, 0.3444 by changing the saturation by 10% instead.


 40.8388, 0.2515,
0.3444


 40.8388, 0.2515,
0.3444


349.6464, 0.2824,
0.3370

 28.1931, 0.2437,
0.3462


 76.4391, 0.2628,
0.3418


 18.4713, 0.2337,
0.3483


 100.1626, 0.2670,
0.3408

 11.2889, 0.2204,
0.3511


 128.3474, 0.2705,
0.3399

 6.2615, 0.2019,
0.3547

 161.3781, 0.2736,
0.3392

 3.0047, 0.1744,
0.3593

199.6389, 0.2762,
0.3385

 1.1342, 0.0990,
0.3779

243.5143, 0.2785,

 0.0070, 0.0000,

0.3379

0.0252

293.3887, 0.2806,
0.3374

0.0000, 0.0000,
0.0000

40.8388, 0.2515,
0.3444

40.8388, 0.2515,
0.3444

39.9552, 0.2443,
0.3478

41.9616, 0.2605,
0.3411

39.2878, 0.2390,
0.3513

43.3350, 0.2710,
0.3379

38.8173, 0.2356,
0.3548

44.9755, 0.2828,
0.3349

38.5189, 0.2340,
0.3582

46.8967, 0.2957,
0.3321

38.3706, 0.2336,
0.3608

49.1114, 0.3093,
0.3296

■ 51.6314, 0.3234,
0.3273

■ 54.4683, 0.3378,
0.3252

■ 57.6325, 0.3521,
0.3234

■ 60.7067, 0.3644,
0.3217

Harmonies

Analogous

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



40.8388, 0.2884, 0.3870



40.8388, 0.2515, 0.3444



40.8388, 0.2313, 0.3004

Triad

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



40.8388, 0.2515, 0.3444



40.8388, 0.2869, 0.2601



40.8388, 0.4007, 0.3821

Complementary

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



40.8388, 0.2515, 0.3444



18.5989, 0.4467, 0.3158

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.



40.8388, 0.4016, 0.3470



40.8388, 0.2515, 0.3444



40.8388, 0.3330, 0.2798

Square

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



40.8388, 0.2515, 0.3444



40.8388, 0.2505, 0.2558



40.8388, 0.3762, 0.3106



40.8388, 0.3751, 0.4068

Rectangle

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



40.8388, 0.2515, 0.3444



40.8388, 0.2289, 0.2777



40.8388, 0.3762, 0.3106



40.8388, 0.4040, 0.3710

Sweetspot

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



40.8404, 0.2515, 0.3444



82.6095, 0.2907, 0.3332



38.9955, 0.3128, 0.4904



18.0351, 0.2880, 0.3337



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.



40.8404, 0.2515, 0.3444



71.3387, 0.2433, 0.3484



27.3347, 0.2337, 0.2673



10.7924, 0.2998, 0.3313



26.4410, 0.2335, 0.3604



1.0406, 0.2312, 0.3521

Inverse Universe

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



18.5989, 0.4467, 0.3158



27.1954, 0.4959, 0.3145



26.3434, 0.4315, 0.3811



9.5517, 0.3273, 0.3267



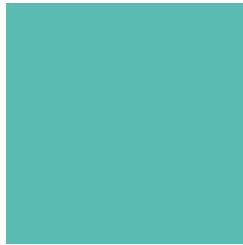
7.3169, 0.6265, 0.3225



0.2920, 0.5831, 0.2986

Previews

White Background



This preview shows how the Yxy color 40.8388, 0.2515, 0.3444 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 40.8388, 0.2515, 0.3444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

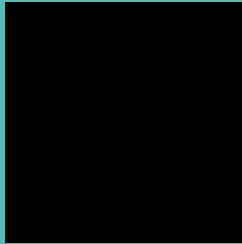
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

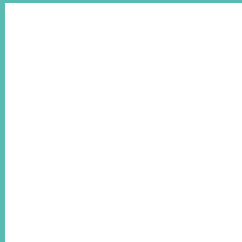
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.8388, 0.2515, 0.3444

Background



This preview shows how black text looks on a background with the Yxy color 40.8388, 0.2515, 0.3444.

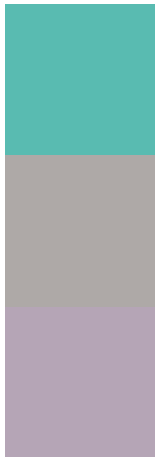


This preview shows how white text looks on a background with the Yxy color 40.8388, 0.2515, 0.3444.

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

40.8388, 0.2515, 0.3444

Protanopia

40.1646, 0.3190, 0.3318

Deuteranopia

40.1114, 0.3129, 0.3064



Tritanopia

40.8913, 0.2419, 0.3066

Trichromacy



Original Color

40.8388, 0.2515, 0.3444



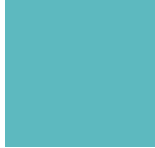
Protanomaly

39.8306, 0.2888, 0.3363



Deuteranomaly

39.4783, 0.2859, 0.3189



Tritanomaly

40.7867, 0.2451, 0.3197

Monochromacy



Original Color

40.8388, 0.2515, 0.3444



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

35.5911, 0.2845, 0.3351

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8388, 0.2515, 0.3444 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(89, 187, 177)` looks like.

```
.text, #text, p{  
    color:rgb(89, 187, 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(89, 187, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 187, 177) }
```

Border

The CSS property to change the border of an element to Yxy 40.8388, 0.2515, 0.3444 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(89, 187, 177) }
```

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

```
.border{ border-color:rgb(89, 187, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 187, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 187, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 187, 177);  
box-shadow:4px 4px 4px 4px rgb(89, 187,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8388, 0.2515, 0.3444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 187, 177) }
```

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

```
.background{ background-color: rgb(89, 187,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor