

Converting Colors

$Yxy(38.9826, 0.2528, 0.3313)$

Have a look what the booklet for
Yxy(38.9826, 0.2528, 0.3313)
contains.

Yxy(38.8844, 0.2523, 0.3304)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.8844, 0.2523, 0.3304)

Conversions

Conversions Part 1

Format	Color
Hex	61B5B4
RGB	97, 181, 180
RGB Percent	38%, 71%, 71%
CMY	0.6195, 0.2902, 0.2942
CMYK	0.46, 0.00, 0.01, 0.29
HSL	179°, 36%, 55%
HSV	179°, 46%, 71%
XYZ	29.6929, 38.8844, 49.1116
YIQ	155.7700, -49.7430, -18.1190

Conversions

Conversions Part 2

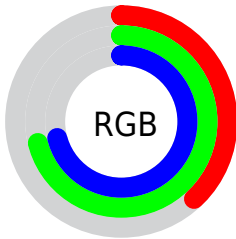
Format	Color
RYB	97, 139, 181
Decimal	6403508
CIELab	68.67, -25.68, -7.40
CIElCh	69, 26.725, 196.081
Yxy	38.8844, 0.2523, 0.3304
Android (android.graphics.Color)	4284593588 (0xFF61B5B4)
YUV	155.7700, 11.9454, -51.5413
Hunter-Lab	62.3574, -24.1285, -3.0456

Details

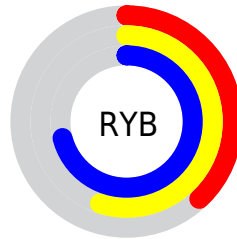
The Yxy color **38.8844, 0.2523, 0.3304** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **19.2623, 0.4348, 0.3279**, and the grayscale version is **33.1040, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.3968, 0.2633, 0.3300**, and **17.3640, 0.2347, 0.3310** is the 20% darker color. If you saturate the color by 10%, you get **37.9932, 0.2434, 0.3308**, and if you desaturate by 10%, it is **40.0055, 0.2629, 0.3301**.

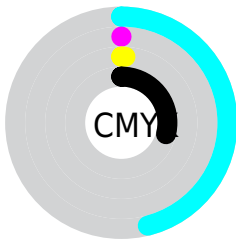
Distribution



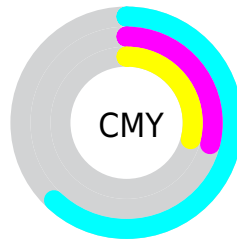
- Red (38%)
- Green (71%)
- Blue (71%)



- Red (38%)
- Yellow (55%)
- Blue (71%)



- Cyan (46%)
- Magenta (0%)
- Yellow (1%)
- Black (29%)





- Cyan (62%)
- Magenta (29%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.8844, 0.2523, 0.3304 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 38.8844, 0.2523, 0.3304 by changing the saturation by 10% instead.


 38.8844, 0.2523,
0.3304


 38.8844, 0.2523,
0.3304


341.3988, 0.2829,
0.3303


 26.6698, 0.2446,
0.3302


 73.4617, 0.2635,
0.3305


 17.3254, 0.2346,
0.3299


 96.5932, 0.2677,
0.3305

 10.4668, 0.2213,
0.3291


 124.1324, 0.2712,
0.3305

 5.7095, 0.2027,
0.3276

 156.4638, 0.2742,
0.3305

 2.6693, 0.1750,
0.3241

193.9717, 0.2768,
0.3304

 0.9616, 0.0969,
0.3269

237.0406, 0.2791,

 0.0000, 0.0000,

0.3304

0.0000

286.0548, 0.2811,
0.3303

■ 38.8844, 0.2523,
0.3304

■ 38.8844, 0.2523,
0.3304

■ 37.9932, 0.2434,
0.3308

■ 40.0055, 0.2629,
0.3301

■ 37.3117, 0.2363,
0.3311

■ 41.3662, 0.2751,
0.3297

■ 36.8238, 0.2312,
0.3315


■ 42.9808, 0.2886,
0.3294

■ 36.5091, 0.2278,
0.3319


■ 44.8616, 0.3031,
0.3292

■ 36.3404, 0.2261,
0.3323


■ 47.0198, 0.3183,
0.3289

 36.2950, 0.2257,
0.3324

 49.4660, 0.3339,
0.3287

 52.2104, 0.3497,
0.3285

 55.2625, 0.3654,
0.3284

 57.6836, 0.3767,
0.3282

Harmonies

Analogous

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



38.8844, 0.2808, 0.3686



38.8844, 0.2523, 0.3304



38.8844, 0.2397, 0.2948

Triad

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



38.8844, 0.2523, 0.3304



38.8844, 0.3024, 0.2727



38.8844, 0.3842, 0.3836

Complementary

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



38.8844, 0.2523, 0.3304



19.2623, 0.4348, 0.3279

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.



38.8844, 0.3917, 0.3552



38.8844, 0.2523, 0.3304



38.8844, 0.3428, 0.2935

Square

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



38.8844, 0.2523, 0.3304



38.8844, 0.2671, 0.2646



38.8844, 0.3763, 0.3229



38.8844, 0.3571, 0.3995

Rectangle

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



38.8844, 0.2523, 0.3304



38.8844, 0.2412, 0.2777



38.8844, 0.3763, 0.3229



38.8844, 0.3892, 0.3751

Sweetspot

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



38.8859, 0.2523, 0.3304



77.6626, 0.2916, 0.3294



36.5326, 0.3070, 0.4719



16.6395, 0.2886, 0.3294



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



38.8859, 0.2523, 0.3304



67.9685, 0.2430, 0.3308



24.7577, 0.2397, 0.2612



9.6298, 0.2988, 0.3292



25.0217, 0.2257, 0.3324



0.7878, 0.2254, 0.3313

Inverse Universe

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



19.2623, 0.4348, 0.3279



28.3554, 0.4803, 0.3278



28.7551, 0.4072, 0.3871



8.5069, 0.3285, 0.3288



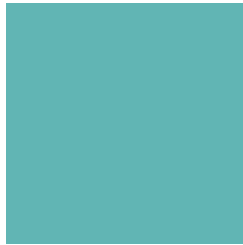
6.7764, 0.6385, 0.3291



0.2138, 0.6317, 0.3253

Previews

White Background



This preview shows how the Yxy color 38.8844, 0.2523, 0.3304 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 38.8844, 0.2523, 0.3304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

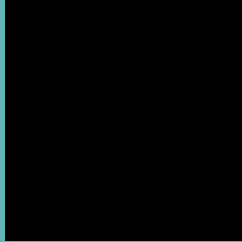
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

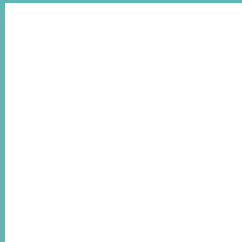
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.8844, 0.2523, 0.3304

Background



This preview shows how black text looks on a background with the Yxy color 38.8844, 0.2523, 0.3304.

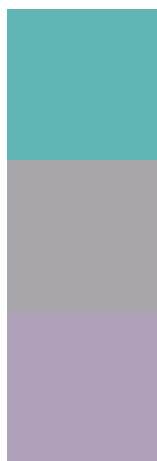


This preview shows how white text looks on a background with the Yxy color 38.8844, 0.2523, 0.3304.

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

38.8844, 0.2523, 0.3304

Protanopia

38.5375, 0.3103, 0.3220

Deuteranopia

38.4153, 0.3058, 0.2993



Tritanopia

38.8572, 0.2464, 0.3077

Trichromacy



Original Color

38.8844, 0.2523, 0.3304

Protanomaly

37.9326, 0.2854, 0.3245

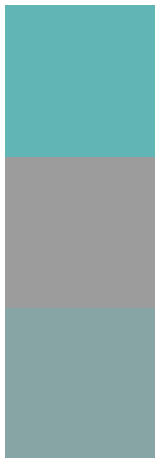
Deuteranomaly

37.9979, 0.2825, 0.3088

Tritanomaly

38.9827, 0.2490, 0.3166

Monochromacy



Original Color

38.8844, 0.2523, 0.3304

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.7778, 0.2860, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.8844, 0.2523, 0.3304 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(97, 181, 180)` looks like.

```
.text, #text, p{  
    color:rgb(97, 181, 180)  
}
```

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(97, 181, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 181, 180) }
```

Border

The CSS property to change the border of an element to Yxy 38.8844, 0.2523, 0.3304 is called "border". The border property can be set on classes, ids or directly on the HTML element.

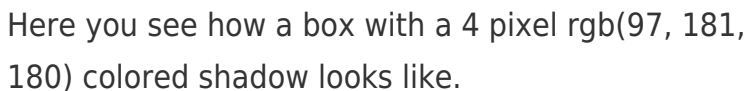
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(97, 181, 180) }
```

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

```
.border{ border-color:rgb(97, 181, 180) }
```

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



Here you see how a box with a 4 pixel `rgb(97, 181, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(97, 181, 180); -webkit-box-shadow:4px 4px 4px 4px rgb(97, 181, 180); box-shadow:4px 4px 4px 4px rgb(97, 181, 180) }
```


Background

The CSS property to change the background color of an element to Yxy 38.8844, 0.2523, 0.3304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 181, 180) }
```

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

```
.background{ background-color: rgb(97, 181,  
180) }
```

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