

Converting Colors

$Yxy(38.3003, 0.2594, 0.3886)$

Have a look what the booklet for
Yxy(38.3003, 0.2594, 0.3886)
contains.

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Color

Yxy(38.3164, 0.2591, 0.3877)

Conversions

Conversions Part 1

Format	Color
Hex	49B996
RGB	73, 185, 150
RGB Percent	29%, 73%, 59%
CMY	0.7134, 0.2745, 0.4117
CMYK	0.60, 0.00, 0.19, 0.27
HSL	161°, 44%, 51%
HSV	161°, 60%, 73%
XYZ	25.6069, 38.3164, 34.9068
YIQ	147.5220, -55.5170, -34.6290

Conversions

Conversions Part 2

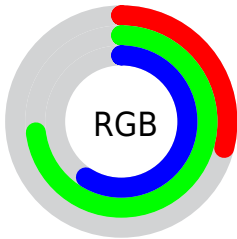
Format	Color
RYB	73, 139, 185
Decimal	4831638
CIELab	68.25, -40.23, 8.38
CIELCh	68, 41.093, 168.231
Yxy	38.3164, 0.2591, 0.3877
Android (android.graphics.Color)	4283021718 (0xFF49B996)
YUV	147.5220, 1.2217, -65.3558
Hunter-Lab	61.9002, -34.4836, 9.8954

Details

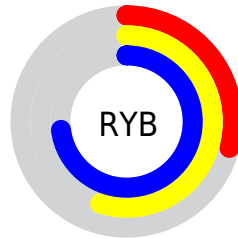
The Yxy color **38.3164, 0.2591, 0.3877** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **16.1731, 0.4383, 0.2824**, and the grayscale version is **29.4267, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.7694, 0.2698, 0.3763**, and **17.1335, 0.2465, 0.4073** is the 20% darker color. If you saturate the color by 10%, you get **37.5170, 0.2550, 0.3994**, and if you desaturate by 10%, it is **39.3430, 0.2650, 0.3763**.

Distribution



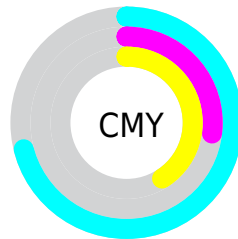
- Red (29%)
- Green (73%)
- Blue (59%)



- Red (29%)
- Yellow (55%)
- Blue (73%)



- Cyan (60%)
- Magenta (0%)
- Yellow (19%)
- Black (27%)





- Cyan (71%)
- Magenta (27%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.3164, 0.2591, 0.3877 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 38.3164, 0.2591, 0.3877 by changing the saturation by 10% instead.


 38.3164, 0.2591,
0.3877


 38.3164, 0.2591,
0.3877


338.9753, 0.2872,
0.3564


 26.2283, 0.2517,
0.3962


 72.5928, 0.2696,
0.3758

 16.9945, 0.2419,
0.4076


 95.5500, 0.2734,
0.3715


 10.2306, 0.2285,
0.4235


 122.8990, 0.2767,
0.3679

 5.5521, 0.2090,
0.4474

 155.0242, 0.2794,
0.3649

 2.5747, 0.1782,
0.4869

 192.3101, 0.2818,
0.3623

 0.9140, 0.0000,
0.6909

235.1410, 0.2838,

 0.0000, 0.0000,

0.3601

0.0000

283.9012, 0.2856,
0.3581

■ 38.3164, 0.2591,
0.3877

■ 38.3164, 0.2591,
0.3877

■ 37.5170, 0.2550,
0.3994

■ 39.3430, 0.2650,
0.3763

■ 36.9205, 0.2529,
0.4113

■ 40.6095, 0.2724,
0.3655

■ 36.5048, 0.2527,
0.4231

■ 42.1334, 0.2812,
0.3553

■ 36.2327, 0.2540,
0.4342

■ 43.9287, 0.2909,
0.3458

■ 46.0088, 0.3013,
0.3372

■ 48.3860, 0.3122,
0.3294

■ 51.0719, 0.3232,
0.3224

■ 54.0776, 0.3343,
0.3161

■ 57.4135, 0.3452,
0.3106

Harmonies

Analogous

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



38.3164, 0.3156, 0.4326



38.3164, 0.2591, 0.3877



38.3164, 0.2194, 0.3247

Triad

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



38.3164, 0.2591, 0.3877



38.3164, 0.2466, 0.2337



38.3164, 0.4351, 0.3681

Complementary

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



38.3164, 0.2591, 0.3877



16.1731, 0.4383, 0.2824

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.



38.3164, 0.4144, 0.3210



38.3164, 0.2591, 0.3877



38.3164, 0.3000, 0.2475

Square

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



38.3164, 0.2591, 0.3877



38.3164, 0.2134, 0.2408



38.3164, 0.3627, 0.2785



38.3164, 0.4190, 0.4116

Rectangle

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



38.3164, 0.2591, 0.3877



38.3164, 0.2062, 0.2869



38.3164, 0.3627, 0.2785



38.3164, 0.4323, 0.3523

Sweetspot

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



38.3179, 0.2591, 0.3877



79.4567, 0.2932, 0.3439



38.3987, 0.3280, 0.5078



16.9105, 0.2902, 0.3465



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.



38.3179, 0.2591, 0.3877



66.7612, 0.2540, 0.4038



31.6441, 0.2320, 0.2952



10.1616, 0.3026, 0.3362



24.6863, 0.2535, 0.4328



0.8809, 0.2452, 0.4026

Inverse Universe

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



16.1731, 0.4383, 0.2824



23.5629, 0.4854, 0.2786



18.7296, 0.4795, 0.3567



9.0572, 0.3240, 0.3219



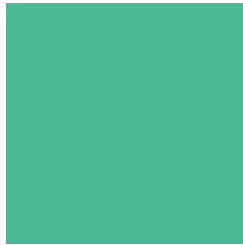
7.2416, 0.5685, 0.2905



0.2668, 0.4935, 0.2492

Previews

White Background



This preview shows how the Yxy color 38.3164, 0.2591, 0.3877 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 38.3164, 0.2591, 0.3877 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

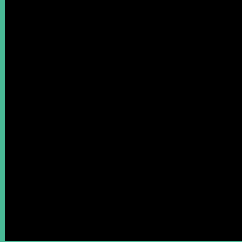
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.3164, 0.2591, 0.3877

Background



This preview shows how black text looks on a background with the Yxy color 38.3164, 0.2591, 0.3877.



This preview shows how white text looks on a background with the Yxy color 38.3164, 0.2591, 0.3877.

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

38.3164, 0.2591, 0.3877

Protanopia

37.8024, 0.3438, 0.3646

Deuteranopia

37.8562, 0.3409, 0.3345



Tritanopia

38.2591, 0.2397, 0.3059

Trichromacy



Original Color

38.3164, 0.2591, 0.3877



Protanomaly

36.8370, 0.3045, 0.3727



Deuteranomaly

36.6383, 0.3027, 0.3518



Tritanomaly

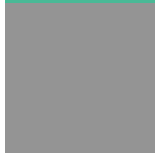
38.1011, 0.2463, 0.3336

Monochromacy



Original Color

38.3164, 0.2591, 0.3877



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

31.7246, 0.2864, 0.3488

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.3164, 0.2591, 0.3877 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(73, 185, 150)` looks like.

```
.text, #text, p{  
  color:rgb(73, 185, 150)  
}
```

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(73, 185, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 185, 150) }
```

Border

The CSS property to change the border of an element to Yxy 38.3164, 0.2591, 0.3877 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(73, 185, 150) }
```

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

```
.border{ border-color:rgb(73, 185, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 185, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 185, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 185, 150);  
box-shadow:4px 4px 4px 4px rgb(73, 185,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 38.3164, 0.2591, 0.3877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 185, 150) }
```

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

```
.background{ background-color: rgb(73, 185,  
150) }
```

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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