

Converting Colors

$Y_{xy}(38.3786, 0.2441, 0.3417)$

Have a look what the booklet for
Yxy(38.3786, 0.2441, 0.3417)
contains.

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Color

Yxy(38.3786, 0.2441, 0.3417)

Conversions

Conversions Part 1

Format	Color
Hex	49B7AF
RGB	73, 183, 175
RGB Percent	29%, 72%, 69%
CMY	0.7139, 0.2823, 0.3137
CMYK	0.60, 0.00, 0.04, 0.28
HSL	176°, 43%, 50%
HSV	176°, 60%, 72%
XYZ	27.4165, 38.3786, 46.5216
YIQ	149.1980, -62.9920, -25.8080

Conversions

Conversions Part 2

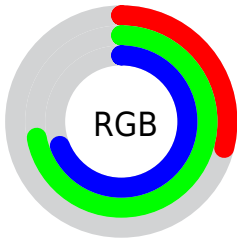
Format	Color
RYB	73, 130, 183
Decimal	4831151
CIELab	68.30, -32.99, -5.29
CIElCh	68, 33.413, 189.115
Yxy	38.3786, 0.2441, 0.3417
Android (android.graphics.Color)	4283021231 (0xFF49B7AF)
YUV	149.1980, 12.7204, -66.8256
Hunter-Lab	61.9505, -29.4172, -1.1584




Details

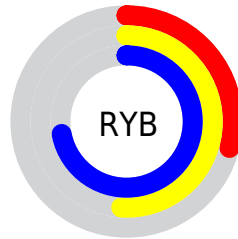
The Yxy color **38.3786, 0.2441, 0.3417** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **15.4211, 0.4840, 0.3190**, and the grayscale version is **30.1039, 0.3127, 0.3290**.




A 20% lighter version of the original color is **72.4327, 0.2571, 0.3397**, and **17.1306, 0.2285, 0.3426** is the 20% darker color. If you saturate the color by 10%, you get **37.7158, 0.2381, 0.3441**, and if you desaturate by 10%, it is **39.2551, 0.2519, 0.3393**.

Distribution







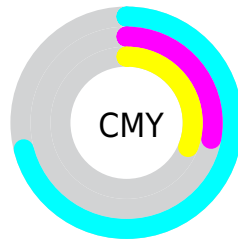
-  Red (29%)
-  Green (72%)
-  Blue (69%)






-  Red (29%)
-  Yellow (51%)
-  Blue (72%)



-  Cyan (60%)
-  Magenta (0%)
-  Yellow (4%)
-  Black (28%)





-  Cyan (71%)
-  Magenta (28%)
-  Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.3786, 0.2441, 0.3417 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 38.3786, 0.2441, 0.3417 by changing the saturation by 10% instead.


 38.3786, 0.2441,
0.3417

 38.3786, 0.2441,
0.3417


339.2413, 0.2789,
0.3358

 26.2767, 0.2353,
0.3430


 72.6881, 0.2569,
0.3397


 17.0307, 0.2239,
0.3446


 95.6644, 0.2616,
0.3389

 10.2564, 0.2087,
0.3464


 123.0343, 0.2656,
0.3382

 5.5693, 0.1875,
0.3485

 155.1821, 0.2691,
0.3376

 2.5850, 0.1561,
0.3504

 192.4924, 0.2720,
0.3370

 0.9191, 0.0281,
0.3803

235.3494, 0.2746,

 0.0000, 0.0000,

0.3366

0.0000

284.1376, 0.2769,
0.3362

■ 38.3786, 0.2441,
0.3417

■ 38.3786, 0.2441,
0.3417

■ 37.7158, 0.2381,
0.3441

■ 39.2551, 0.2519,
0.3393

■ 37.2432, 0.2341,
0.3466

■ 40.3577, 0.2615,
0.3370

■ 36.9398, 0.2318,
0.3490

■ 41.7028, 0.2726,
0.3348

■ 36.7609, 0.2309,
0.3514

■ 43.3043, 0.2850,
0.3327

■ 45.1749, 0.2984,
0.3308

■ 47.3265, 0.3125,
0.3290

■ 49.7702, 0.3271,
0.3274

■ 52.5167, 0.3419,
0.3260

■ 55.5760, 0.3567,
0.3247

Harmonies

Analogous

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



38.3786, 0.2826, 0.3893



38.3786, 0.2441, 0.3417



38.3786, 0.2242, 0.2945

Triad

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



38.3786, 0.2441, 0.3417



38.3786, 0.2881, 0.2559



38.3786, 0.4067, 0.3885

Complementary

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



38.3786, 0.2441, 0.3417



15.4211, 0.4840, 0.3190

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.



38.3786, 0.4102, 0.3510



38.3786, 0.2441, 0.3417



38.3786, 0.3384, 0.2781

Square

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



38.3786, 0.2441, 0.3417



38.3786, 0.2479, 0.2498



38.3786, 0.3846, 0.3117



38.3786, 0.3770, 0.4145

Rectangle

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



38.3786, 0.2441, 0.3417



38.3786, 0.2227, 0.2709



38.3786, 0.3846, 0.3117



38.3786, 0.4112, 0.3767

Sweetspot

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



38.3801, 0.2441, 0.3417



78.1291, 0.2874, 0.3324



36.1500, 0.3094, 0.5171



17.0557, 0.2836, 0.3329



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.



38.3801, 0.2441, 0.3417



67.2492, 0.2367, 0.3449



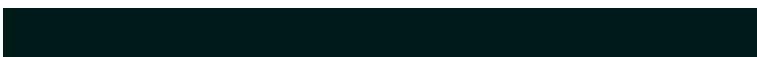
22.7688, 0.2222, 0.2498



10.1991, 0.2995, 0.3306



25.6471, 0.2309, 0.3511



0.9075, 0.2291, 0.3448

Inverse Universe

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



15.4211, 0.4840, 0.3190



22.5358, 0.5434, 0.3193



23.6974, 0.4518, 0.3921



9.0225, 0.3277, 0.3274



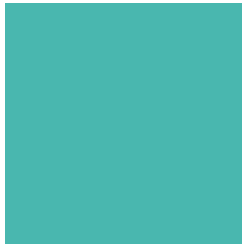
7.0480, 0.6307, 0.3248



0.2521, 0.5958, 0.3056

Previews

White Background



This preview shows how the Yxy color 38.3786, 0.2441, 0.3417 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 38.3786, 0.2441, 0.3417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

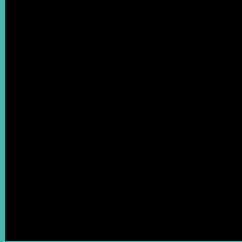
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

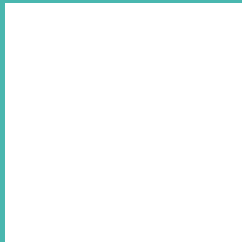
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.3786, 0.2441, 0.3417

Background



This preview shows how black text looks on a background with the Yxy color 38.3786, 0.2441, 0.3417.

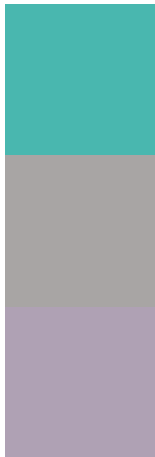


This preview shows how white text looks on a background with the Yxy color 38.3786, 0.2441, 0.3417.

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

38.3786, 0.2441, 0.3417

Protanopia

37.9154, 0.3164, 0.3304

Deuteranopia

37.8990, 0.3093, 0.3031



Tritanopia

38.3320, 0.2358, 0.3058

Trichromacy



Original Color

38.3786, 0.2441, 0.3417

Protanomaly

37.3187, 0.2827, 0.3350

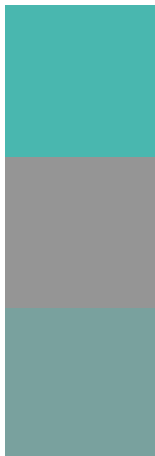
Deuteranomaly

36.9936, 0.2790, 0.3156

Tritanomaly

38.2983, 0.2385, 0.3178

Monochromacy



Original Color

38.3786, 0.2441, 0.3417

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

32.0233, 0.2794, 0.3338

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.3786, 0.2441, 0.3417 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, 183, 175)` looks like.

```
.text, #text, p{  
    color:rgb(73, 183, 175)  
}
```

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, 183, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 183, 175) }
```

Border

The CSS property to change the border of an element to Yxy 38.3786, 0.2441, 0.3417 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, 183, 175) }
```

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

```
.border{ border-color:rgb(73, 183, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 183, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 183, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 183, 175);  
box-shadow:4px 4px 4px 4px rgb(73, 183,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 38.3786, 0.2441, 0.3417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 183, 175) }
```

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

```
.background{ background-color: rgb(73, 183,  
175) }
```

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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