

Converting Colors

Yxy(38.1416, 0.2408, 0.3696)

Have a look what the booklet for
Yxy(38.1416, 0.2408, 0.3696)
contains.

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Color

Yxy(38.1198, 0.2407, 0.3694)

Conversions

Conversions Part 1

Format	Color
Hex	25BAA2
RGB	37, 186, 162
RGB Percent	15%, 73%, 64%
CMY	0.8557, 0.2705, 0.3647
CMYK	0.80, 0.00, 0.13, 0.27
HSL	170°, 67%, 44%
HSV	170°, 80%, 73%
XYZ	24.8388, 38.1198, 40.2353
YIQ	138.7130, -81.1000, -39.0520

Conversions

Conversions Part 2

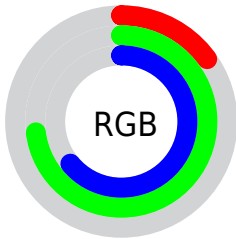
Format	Color
RYB	37, 118, 186
Decimal	2472610
CIELab	68.11, -42.87, 1.50
CIELCh	68, 42.895, 178.002
Yxy	38.1198, 0.2407, 0.3694
Android (android.graphics.Color)	4280662690 (0xFF25BAA2)
YUV	138.7130, 11.4805, -89.2023
Hunter-Lab	61.7412, -36.2359, 4.5810

Details

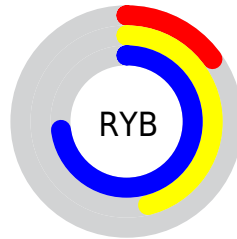
The Yxy color **38.1198, 0.2407, 0.3694** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **12.0866, 0.5518, 0.3067**, and the grayscale version is **25.6607, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.3621, 0.2542, 0.3615**, and **17.6283, 0.2392, 0.3810** is the 20% darker color. If you saturate the color by 10%, you get **37.7569, 0.2392, 0.3751**, and if you desaturate by 10%, it is **38.6630, 0.2441, 0.3637**.

Distribution



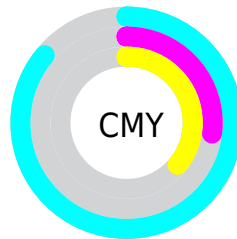
- Red (15%)
- Green (73%)
- Blue (64%)



- Red (15%)
- Yellow (46%)
- Blue (73%)



- Cyan (80%)
- Magenta (0%)
- Yellow (13%)
- Black (27%)





- Cyan (86%)
- Magenta (27%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.1198, 0.2407, 0.3694 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 38.1198, 0.2407, 0.3694 by changing the saturation by 10% instead.


 38.1198, 0.2407,
0.3694


 38.1198, 0.2407,
0.3694


338.1336, 0.2777,
0.3485

 26.0757, 0.2312,
0.3748


 72.2917, 0.2543,
0.3616

 16.8803, 0.2189,
0.3819


 95.1883, 0.2594,
0.3588

 10.1492, 0.2023,
0.3915


 122.4712, 0.2637,
0.3564

 5.4980, 0.1790,
0.4053

 154.5247, 0.2673,
0.3543

 2.5423, 0.1441,
0.4263

 191.7334, 0.2704,
0.3526

 0.8977, 0.0000,
0.5070

234.4815, 0.2731,

 0.0000, 0.0000,

0.3510

0.0000

283.1534, 0.2755,
0.3497

■ 38.1198, 0.2407,
0.3694

■ 38.1198, 0.2407,
0.3694

■ 37.7569, 0.2392,
0.3751

■ 38.6630, 0.2441,
0.3637

■ 37.5258, 0.2391,
0.3806

■ 39.4057, 0.2494,
0.3580

■ 40.3692, 0.2566,
0.3525

■ 41.5710, 0.2654,
0.3472

■ 43.0268, 0.2757,
0.3421

■ 44.7510, 0.2872,
0.3374

■ 46.7568, 0.2995,
0.3331

■ 49.0567, 0.3124,
0.3291

■ 51.6623, 0.3257,
0.3255

Harmonies

Analogous

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



38.1198, 0.2951, 0.4264



38.1198, 0.2407, 0.3694



38.1198, 0.2074, 0.3039

Triad

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



38.1198, 0.2407, 0.3694



38.1198, 0.2598, 0.2325



38.1198, 0.4390, 0.3848

Complementary

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



38.1198, 0.2407, 0.3694



12.0866, 0.5518, 0.3067

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.



38.1198, 0.4303, 0.3360



38.1198, 0.2407, 0.3694



38.1198, 0.3204, 0.2531

Square

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



38.1198, 0.2407, 0.3694



38.1198, 0.2180, 0.2322



38.1198, 0.3850, 0.2897



38.1198, 0.4107, 0.4268

Rectangle

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



38.1198, 0.2407, 0.3694



38.1198, 0.1996, 0.2689



38.1198, 0.3850, 0.2897



38.1198, 0.4405, 0.3688

Sweetspot

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



38.1213, 0.2407, 0.3694



79.7345, 0.2822, 0.3394



36.2685, 0.3112, 0.5683



17.3162, 0.2782, 0.3411



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.



38.1213, 0.2407, 0.3694



68.1158, 0.2391, 0.3793



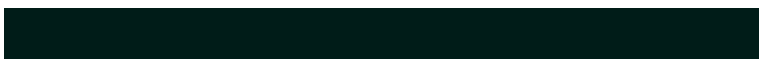
21.6218, 0.2057, 0.2409



10.1852, 0.3006, 0.3327



25.2521, 0.2389, 0.3799



0.8969, 0.2348, 0.3653

Inverse Universe

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



12.0866, 0.5518, 0.3067



19.3379, 0.6106, 0.3164



17.3154, 0.5313, 0.3841



9.0352, 0.3263, 0.3253



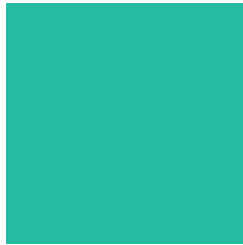
7.0934, 0.6145, 0.3159



0.2575, 0.5518, 0.2814

Previews

White Background



This preview shows how the Yxy color 38.1198, 0.2407, 0.3694 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 38.1198, 0.2407, 0.3694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

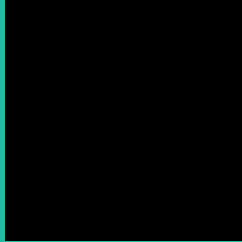
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.1198, 0.2407, 0.3694

Background



This preview shows how black text looks on a background with the Yxy color 38.1198, 0.2407, 0.3694.

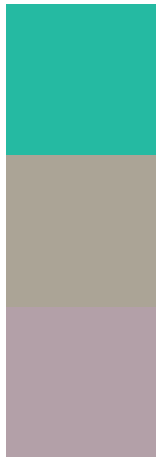


This preview shows how white text looks on a background with the Yxy color 38.1198, 0.2407, 0.3694.

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

38.1198, 0.2407, 0.3694

Protanopia

37.4109, 0.3319, 0.3490

Deuteranopia

37.5525, 0.3238, 0.3181



Tritanopia

37.9939, 0.2279, 0.3054

Trichromacy



Original Color

38.1198, 0.2407, 0.3694



Protanomaly

35.9757, 0.2844, 0.3576



Deuteranomaly

35.6411, 0.2791, 0.3336



Tritanomaly

38.0577, 0.2321, 0.3272

Monochromacy



Original Color

38.1198, 0.2407, 0.3694



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

28.7083, 0.2717, 0.3447

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1198, 0.2407, 0.3694 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(37, 186, 162)` looks like.

```
.text, #text, p{  
    color:rgb(37, 186, 162)  
}
```

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(37, 186, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 186, 162) }
```

Border

The CSS property to change the border of an element to Yxy 38.1198, 0.2407, 0.3694 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(37, 186, 162) }
```

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

```
.border{ border-color:rgb(37, 186, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 186, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 186, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 186, 162);  
box-shadow:4px 4px 4px 4px rgb(37, 186,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 38.1198, 0.2407, 0.3694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 186, 162) }
```

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

```
.background{ background-color: rgb(37, 186,  
162) }
```

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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