

Converting Colors

$Yxy(38.8245, 0.2398, 0.3758)$

Have a look what the booklet for
Yxy(38.8245, 0.2398, 0.3758)
contains.

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Color

Yxy(38.7102, 0.2395, 0.3746)

Conversions

Conversions Part 1

Format	Color
Hex	16BCA1
RGB	22, 188, 161
RGB Percent	9%, 74%, 63%
CMY	0.9129, 0.2627, 0.3687
CMYK	0.88, 0.00, 0.14, 0.26
HSL	170°, 79%, 41%
HSV	170°, 88%, 74%
XYZ	24.7493, 38.7102, 39.8779
YIQ	135.2880, -90.2690, -43.5890

Conversions

Conversions Part 2

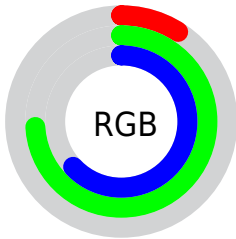
Format	Color
R _Y B	22, 112, 188
Decimal	1490081
CIE Lab	68.54, -45.12, 2.67
CIE LCh	69, 45.194, 176.618
Yxy	38.7102, 0.2395, 0.3746
Android (android.graphics.Color)	4279680161 (0xFF16BCA1)
YUV	135.2880, 12.6760, -99.3536
Hunter-Lab	62.2175, -37.8757, 5.5507

Details

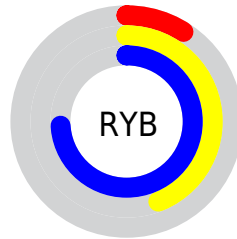
The Yxy color **38.7102, 0.2395, 0.3746** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **11.4973, 0.5819, 0.3099**, and the grayscale version is **24.3429, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.2057, 0.2533, 0.3653**, and **18.1760, 0.2404, 0.3853** is the 20% darker color. If you saturate the color by 10%, you get **38.4539, 0.2393, 0.3803**, and if you desaturate by 10%, it is **39.1198, 0.2414, 0.3688**.

Distribution



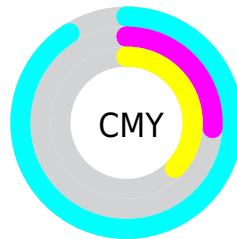
- Red (9%)
- Green (74%)
- Blue (63%)



- Red (9%)
- Yellow (44%)
- Blue (74%)



- Cyan (88%)
- Magenta (0%)
- Yellow (14%)
- Black (26%)




- Cyan (91%)
- Magenta (26%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.7102, 0.2395, 0.3746 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 38.7102, 0.2395, 0.3746 by changing the saturation by 10% instead.


 38.7102, 0.2395,
0.3746


 38.7102, 0.2395,
0.3746

340.6568, 0.2771,
0.3509

 26.5344, 0.2299,
0.3808


 73.1954, 0.2533,
0.3658

 17.2238, 0.2174,
0.3889


 96.2735, 0.2585,
0.3625


 10.3942, 0.2006,
0.3999


 123.7546, 0.2628,
0.3598

 5.6611, 0.1769,
0.4158

 156.0229, 0.2665,
0.3575

 2.6401, 0.1417,
0.4404

 193.4629, 0.2697,
0.3555

 0.9469, 0.0000,
0.5290

236.4589, 0.2725,

 0.0000, 0.0000,

0.3538

0.0000

285.3954, 0.2749,
0.3523

■ 38.7102, 0.2395,
0.3746

■ 38.7102, 0.2395,
0.3746

■ 38.4539, 0.2393,
0.3803

■ 39.1198, 0.2414,
0.3688

■ 38.4127, 0.2393,
0.3814

■ 39.7152, 0.2452,
0.3630

■ 40.5209, 0.2508,
0.3573

■ 41.5568, 0.2583,
0.3517

■ 42.8406, 0.2675,
0.3464

■ 44.3880, 0.2780,
0.3413

■ 46.2135, 0.2896,
0.3366

■ 48.3305, 0.3021,
0.3323

■ 50.7517, 0.3151,
0.3283

Harmonies

Analogous

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



38.7102, 0.2969, 0.4337



38.7102, 0.2395, 0.3746



38.7102, 0.2039, 0.3052

Triad

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



38.7102, 0.2395, 0.3746



38.7102, 0.2549, 0.2280



38.7102, 0.4453, 0.3843

Complementary

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



38.7102, 0.2395, 0.3746



11.4973, 0.5819, 0.3099

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.



38.7102, 0.4346, 0.3335



38.7102, 0.2395, 0.3746



38.7102, 0.3174, 0.2485

Square

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



38.7102, 0.2395, 0.3746



38.7102, 0.2125, 0.2286



38.7102, 0.3856, 0.2858



38.7102, 0.4170, 0.4292

Rectangle

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



38.7102, 0.2395, 0.3746



38.7102, 0.1950, 0.2680



38.7102, 0.3856, 0.2858



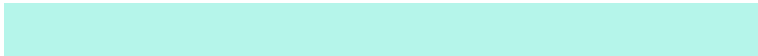
38.7102, 0.4464, 0.3675

Sweetspot

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



38.7117, 0.2395, 0.3746



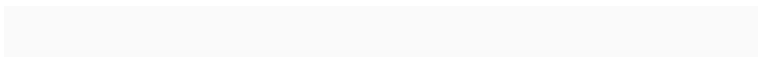
80.9912, 0.2800, 0.3405



36.6990, 0.3087, 0.5828



17.1894, 0.2761, 0.3422



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.



38.7117, 0.2395, 0.3746



69.5873, 0.2395, 0.3823



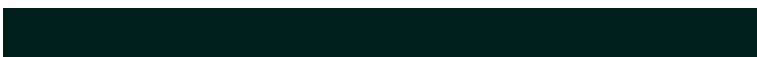
20.5077, 0.1999, 0.2308



10.7821, 0.3006, 0.3328



26.1630, 0.2391, 0.3807



1.0321, 0.2353, 0.3669

Inverse Universe

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



11.4973, 0.5819, 0.3099



19.5290, 0.6198, 0.3188



16.1252, 0.5568, 0.3809



9.5611, 0.3263, 0.3253



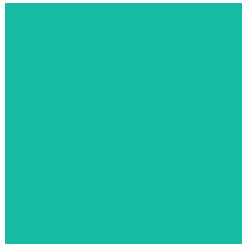
7.3528, 0.6143, 0.3158



0.2961, 0.5548, 0.2830

Previews

White Background



This preview shows how the Yxy color 38.7102, 0.2395, 0.3746 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 38.7102, 0.2395, 0.3746 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

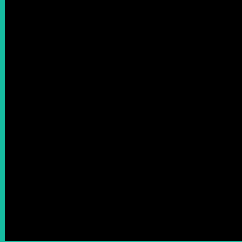
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

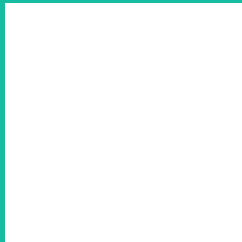
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.7102, 0.2395, 0.3746

Background



This preview shows how black text looks on a background with the Yxy color 38.7102, 0.2395, 0.3746.

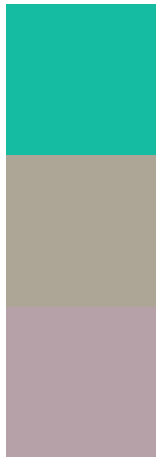


This preview shows how white text looks on a background with the Yxy color 38.7102, 0.2395, 0.3746.

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

38.7102, 0.2395, 0.3746

Protanopia

37.9644, 0.3346, 0.3517

Deuteranopia

38.1035, 0.3265, 0.3209



Tritanopia

38.7849, 0.2265, 0.3055

Trichromacy



Original Color

38.7102, 0.2395, 0.3746



Protanomaly

36.0386, 0.2822, 0.3611



Deuteranomaly

36.0534, 0.2770, 0.3383



Tritanomaly

38.7362, 0.2304, 0.3288

Monochromacy



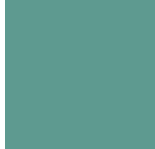
Original Color

38.7102, 0.2395, 0.3746



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

27.5045, 0.2675, 0.3469

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7102, 0.2395, 0.3746 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(22, 188, 161)` looks like.

```
.text, #text, p{  
    color:rgb(22, 188, 161)  
}
```

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(22, 188, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 188, 161) }
```

Border

The CSS property to change the border of an element to Yxy 38.7102, 0.2395, 0.3746 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(22, 188, 161) }
```

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

```
.border{ border-color:rgb(22, 188, 161) }
```

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

Here you see how a box with a 4 pixel rgb(22, 188, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 188, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 188, 161);  
box-shadow:4px 4px 4px 4px rgb(22, 188,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7102, 0.2395, 0.3746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 188, 161) }
```

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

```
.background{ background-color: rgb(22, 188,  
161) }
```

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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