

Converting Colors

$Y_{xy}(38.9779, 0.2289, 0.3304)$

Have a look what the booklet for
Yxy(38.9779, 0.2289, 0.3304)
contains.

Yxy(38.9779, 0.2289, 0.3304)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.9779, 0.2289, 0.3304)

Conversions

Conversions Part 1

Format	Color
Hex	23BAB9
RGB	35, 186, 185
RGB Percent	14%, 73%, 73%
CMY	0.8633, 0.2705, 0.2746
CMYK	0.81, 0.00, 0.01, 0.27
HSL	180°, 68%, 43%
HSV	180°, 81%, 73%
XYZ	27.0038, 38.9779, 51.9902
YIQ	140.7370, -89.6750, -32.3230

Conversions

Conversions Part 2

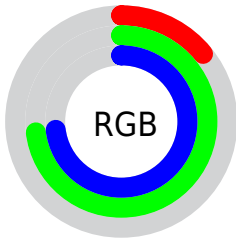
Format	Color
RYB	35, 111, 186
Decimal	2341561
CIELab	68.74, -36.54, -10.23
CIELCh	69, 37.943, 195.635
Yxy	38.9779, 0.2289, 0.3304
Android (android.graphics.Color)	4280531641 (0xFF23BAB9)
YUV	140.7370, 21.8217, -92.7313
Hunter-Lab	62.4323, -32.0501, -5.6709

Details

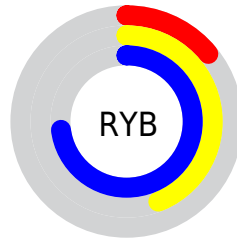
The Yxy color **38.9779, 0.2289, 0.3304** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **11.7610, 0.5922, 0.3291**, and the grayscale version is **26.4515, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.7671, 0.2441, 0.3312**, and **18.1685, 0.2247, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **38.7316, 0.2264, 0.3306**, and if you desaturate by 10%, it is **39.3992, 0.2332, 0.3302**.

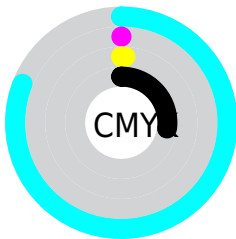
Distribution



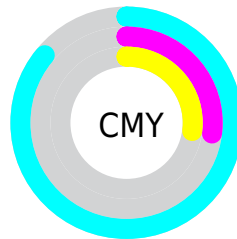
- Red (14%)
- Green (73%)
- Blue (73%)



- Red (14%)
- Yellow (44%)
- Blue (73%)



- Cyan (81%)
- Magenta (0%)
- Yellow (1%)
- Black (27%)




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

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.9779, 0.2289, 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 38.9779, 0.2289, 0.3304 by changing the saturation by 10% instead.

 38.9779, 0.2289,
0.3304


 38.9779, 0.2289,
0.3304


341.7965, 0.2709,
0.3309


 26.7425, 0.2185,
0.3299


 73.6046, 0.2441,
0.3309

 17.3800, 0.2052,
0.3289


 96.7646, 0.2499,
0.3310


 10.5058, 0.1877,
0.3272


 124.3351, 0.2547,
0.3310

 5.7356, 0.1639,
0.3238

 156.7003, 0.2589,
0.3310

 2.6850, 0.1300,
0.3167

 194.2446, 0.2625,
0.3310

 0.9696, 0.0090,
0.3223

237.3525, 0.2656,

 0.0000, 0.0000,

0.3310

0.0000

286.4084, 0.2684,
0.3309

■ 38.9779, 0.2289,
0.3304

■ 38.9779, 0.2289,
0.3304

■ 38.7316, 0.2264,
0.3306

■ 39.3992, 0.2332,
0.3302

■ 38.6145, 0.2252,
0.3308

■ 40.0153, 0.2393,
0.3300

■ 40.8476, 0.2474,
0.3298

■ 41.9138, 0.2572,
0.3296

■ 43.2299, 0.2687,
0.3294

■ 44.8104, 0.2817,
0.3293

■ 46.6685, 0.2958,
0.3291

■ 48.8167, 0.3108,
0.3290

■ 51.2668, 0.3263,
0.3289

Harmonies

Analogous

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



38.9779, 0.2677, 0.3871



38.9779, 0.2289, 0.3304



38.9779, 0.2122, 0.2799

Triad

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



38.9779, 0.2289, 0.3304



38.9779, 0.2965, 0.2516



38.9779, 0.4133, 0.4029

Complementary

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



38.9779, 0.2289, 0.3304



11.7610, 0.5922, 0.3291

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.



38.9779, 0.4248, 0.3622



38.9779, 0.2289, 0.3304



38.9779, 0.3539, 0.2793

Square

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



38.9779, 0.2289, 0.3304



38.9779, 0.2482, 0.2404



38.9779, 0.4028, 0.3184



38.9779, 0.3743, 0.4288

Rectangle

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



38.9779, 0.2289, 0.3304



38.9779, 0.2141, 0.2569



38.9779, 0.4028, 0.3184



38.9779, 0.4207, 0.3903

Sweetspot

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



38.9794, 0.2289, 0.3304



80.2592, 0.2775, 0.3293



35.6432, 0.3018, 0.5771



17.4482, 0.2728, 0.3294



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.



38.9794, 0.2289, 0.3304



70.0138, 0.2254, 0.3308



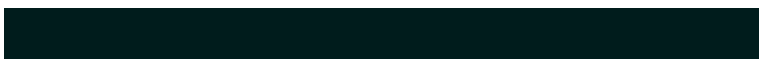
15.7006, 0.1936, 0.1967



10.2096, 0.2986, 0.3291



25.9758, 0.2252, 0.3308



0.9161, 0.2251, 0.3302

Inverse Universe

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



11.7610, 0.5922, 0.3291



19.0408, 0.6370, 0.3297



21.2684, 0.5031, 0.4130



9.0132, 0.3287, 0.3289



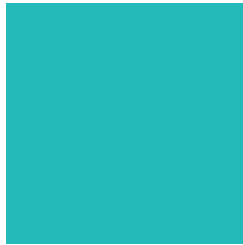
7.0254, 0.6392, 0.3295



0.2480, 0.6356, 0.3275

Previews

White Background



This preview shows how the Yxy color 38.9779, 0.2289, 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 38.9779, 0.2289, 0.3304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

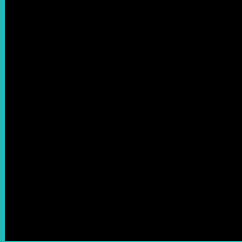
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

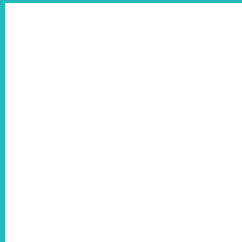
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.9779, 0.2289, 0.3304

Background



This preview shows how black text looks on a background with the Yxy color 38.9779, 0.2289, 0.3304.

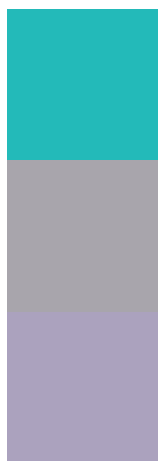


This preview shows how white text looks on a background with the Yxy color 38.9779, 0.2289, 0.3304.

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

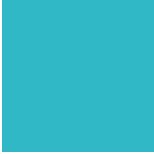
38.9779, 0.2289, 0.3304

Protanopia

38.2137, 0.3095, 0.3192

Deuteranopia

38.2163, 0.2972, 0.2911



Tritanopia

39.0329, 0.2244, 0.3055

Trichromacy



Original Color

38.9779, 0.2289, 0.3304



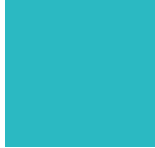
Protanomaly

37.0545, 0.2667, 0.3227



Deuteranomaly

36.8216, 0.2597, 0.3034



Tritanomaly

39.1066, 0.2259, 0.3146

Monochromacy



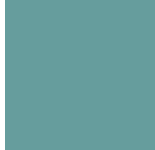
Original Color

38.9779, 0.2289, 0.3304



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

29.3730, 0.2645, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9779, 0.2289, 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(35, 186, 185)` looks like.

```
.text, #text, p{  
    color:rgb(35, 186, 185)  
}
```

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(35, 186, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 186, 185) }
```

Border

The CSS property to change the border of an element to Yxy 38.9779, 0.2289, 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(35, 186, 185) }
```

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

```
.border{ border-color:rgb(35, 186, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 186, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(35, 186, 185); -webkit-box-shadow:4px 4px 4px 4px rgb(35, 186, 185); box-shadow:4px 4px 4px 4px rgb(35, 186, 185) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9779, 0.2289, 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(35, 186, 185) }
```

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

```
.background{ background-color: rgb(35, 186,  
185) }
```

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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