

Converting Colors

$Yxy(38.5416, 0.2268, 0.3229)$

Have a look what the booklet for
Yxy(38.5416, 0.2268, 0.3229)
contains.

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Color

Yxy(38.6861, 0.2271, 0.3239)

Conversions

Conversions Part 1

Format	Color
Hex	23B9BC
RGB	35, 185, 188
RGB Percent	14%, 73%, 74%
CMY	0.8622, 0.2745, 0.2626
CMYK	0.81, 0.02, 0.00, 0.26
HSL	181°, 69%, 44%
HSV	181°, 81%, 74%
XYZ	27.1245, 38.6861, 53.6278
YIQ	140.4920, -90.3630, -30.8670

Conversions

Conversions Part 2

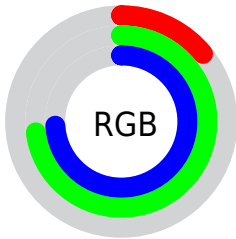
Format	Color
R _Y B	35, 111, 188
Decimal	2341308
CIE Lab	68.52, -35.14, -12.22
CIE LCh	69, 37.199, 199.171
Yxy	38.6861, 0.2271, 0.3239
Android (android.graphics.Color)	4280531388 (0xFF23B9BC)
YUV	140.4920, 23.4214, -92.5165
Hunter-Lab	62.1982, -31.0033, -7.5817

Details

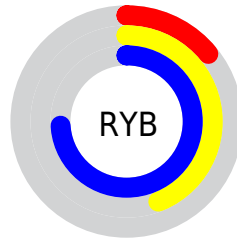
The Yxy color **38.6861, 0.2271, 0.3239** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **12.2139, 0.5914, 0.3321**, and the grayscale version is **26.3774, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.4154, 0.2429, 0.3264**, and **17.9819, 0.2222, 0.3199** is the 20% darker color. If you saturate the color by 10%, you get **38.2852, 0.2243, 0.3233**, and if you desaturate by 10%, it is **39.2666, 0.2316, 0.3246**.

Distribution



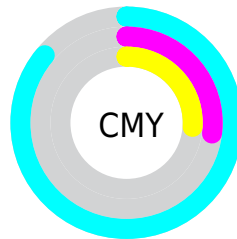
- Red (14%)
- Green (73%)
- Blue (74%)



- Red (14%)
- Yellow (44%)
- Blue (74%)



- Cyan (81%)
- Magenta (2%)
- Yellow (0%)
- Black (26%)



- Cyan (86%)
- Magenta (27%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.6861, 0.2271, 0.3239 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 38.6861, 0.2271, 0.3239 by changing the saturation by 10% instead.

 38.6861, 0.2271,
0.3239


 38.6861, 0.2271,
0.3239


340.5541, 0.2699,
0.3278

 26.5156, 0.2165,
0.3224


 73.1585, 0.2426,
0.3257


 17.2098, 0.2030,
0.3203


 96.2293, 0.2485,
0.3262

 10.3842, 0.1853,
0.3169


 123.7023, 0.2534,
0.3267

 5.6544, 0.1612,
0.3111

 155.9618, 0.2577,
0.3270

 2.6361, 0.1272,
0.3003

 193.3924, 0.2613,
0.3273

 0.9448, 0.0123,
0.2965

236.3784, 0.2646,

 0.0000, 0.0000,

0.3275

0.0000

285.3041, 0.2674,
0.3277

■ 38.6861, 0.2271,
0.3239

■ 38.6861, 0.2271,
0.3239

■ 38.2852, 0.2243,
0.3233

■ 39.2666, 0.2316,
0.3246

■ 38.0371, 0.2230,
0.3227

■ 40.0470, 0.2381,
0.3252

■ 41.0495, 0.2464,
0.3259

■ 42.2922, 0.2565,
0.3266

■ 43.7916, 0.2682,
0.3272

■ 45.5624, 0.2813,
0.3278

■ 47.6184, 0.2956,
0.3284

■ 49.9724, 0.3107,
0.3289

■ 52.6364, 0.3263,
0.3294

Harmonies

Analogous

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



38.6861, 0.2630, 0.3800



38.6861, 0.2271, 0.3239



38.6861, 0.2133, 0.2761

Triad

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



38.6861, 0.2271, 0.3239



38.6861, 0.3033, 0.2552



38.6861, 0.4083, 0.4058

Complementary

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



38.6861, 0.2271, 0.3239



12.2139, 0.5914, 0.3321

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.



38.6861, 0.4233, 0.3669



38.6861, 0.2271, 0.3239



38.6861, 0.3598, 0.2842

Square

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



38.6861, 0.2271, 0.3239



38.6861, 0.2540, 0.2421



38.6861, 0.4054, 0.3236



38.6861, 0.3676, 0.4285

Rectangle

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



38.6861, 0.2271, 0.3239



38.6861, 0.2170, 0.2551



38.6861, 0.4054, 0.3236



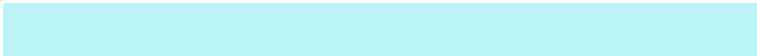
38.6861, 0.4167, 0.3939

Sweetspot

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



38.6875, 0.2271, 0.3239



81.5078, 0.2772, 0.3276



36.4748, 0.3004, 0.5758



17.2814, 0.2725, 0.3274



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.



38.6875, 0.2271, 0.3239



68.9589, 0.2232, 0.3227



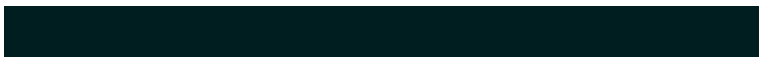
14.9365, 0.1910, 0.1870



10.7762, 0.2985, 0.3285



25.9037, 0.2230, 0.3228



1.0251, 0.2234, 0.3243

Inverse Universe

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



15.4075, 0.3244, 0.1660



25.7768, 0.3259, 0.1574



22.8810, 0.4964, 0.4194



9.6929, 0.3141, 0.3068



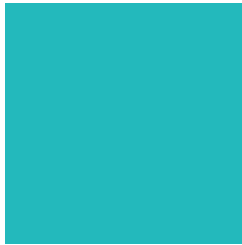
9.6447, 0.3259, 0.1569



0.3788, 0.3246, 0.1562

Previews

White Background



This preview shows how the Yxy color 38.6861, 0.2271, 0.3239 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 38.6861, 0.2271, 0.3239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

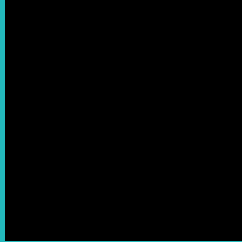
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

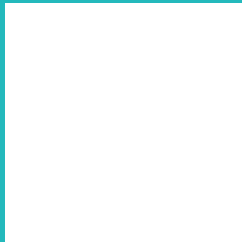
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.6861, 0.2271, 0.3239

Background



This preview shows how black text looks on a background with the Yxy color 38.6861, 0.2271, 0.3239.



This preview shows how white text looks on a background with the Yxy color 38.6861, 0.2271, 0.3239.

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

38.6861, 0.2271, 0.3239

Protanopia

38.1124, 0.3051, 0.3150

Deuteranopia

38.1259, 0.2930, 0.2871



Tritanopia

38.5021, 0.2237, 0.3054

Trichromacy



Original Color

38.6861, 0.2271, 0.3239



Protanomaly

36.6519, 0.2631, 0.3166



Deuteranomaly

36.5041, 0.2569, 0.2975



Tritanomaly

38.6474, 0.2251, 0.3130

Monochromacy



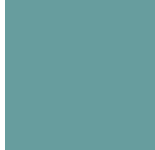
Original Color

38.6861, 0.2271, 0.3239



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

29.4661, 0.2645, 0.3272

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.6861, 0.2271, 0.3239 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, 185, 188)` looks like.

```
.text, #text, p{  
    color:rgb(35, 185, 188)  
}
```

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, 185, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 185, 188) }
```

Border

The CSS property to change the border of an element to Yxy 38.6861, 0.2271, 0.3239 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, 185, 188) }
```

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

```
.border{ border-color:rgb(35, 185, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 185, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 185, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 185, 188);  
box-shadow:4px 4px 4px 4px rgb(35, 185,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 38.6861, 0.2271, 0.3239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 185, 188) }
```

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

```
.background{ background-color: rgb(35, 185,  
188) }
```

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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