

Converting Colors

$Y_{xy}(38.7229, 0.2278, 0.3265)$

Have a look what the booklet for
Yxy(38.7229, 0.2278, 0.3265)
contains.

Yxy(38.6431, 0.2276, 0.3255)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(38.6431, 0.2276, 0.3255)

Conversions

Conversions Part 1

Format	Color
Hex	23B9BB
RGB	35, 185, 187
RGB Percent	14%, 73%, 73%
CMY	0.8615, 0.2746, 0.2666
CMYK	0.81, 0.01, 0.00, 0.27
HSL	181°, 68%, 44%
HSV	181°, 81%, 73%
XYZ	27.0205, 38.6431, 53.0556
YIQ	140.3780, -90.0420, -31.1780

Conversions

Conversions Part 2

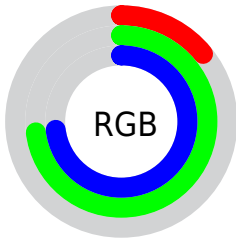
Format	Color
R _Y B	35, 110, 187
Decimal	2341307
CIE Lab	68.49, -35.42, -11.71
CIE LCh	68, 37.306, 198.287
Yxy	38.6431, 0.2276, 0.3255
Android (android.graphics.Color)	4280531387 (0xFF23B9BB)
YUV	140.3780, 22.9846, -92.4165
Hunter-Lab	62.1636, -31.1981, -7.0886

Details

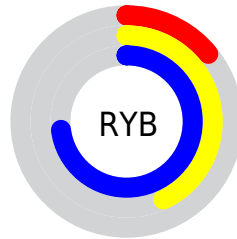
The Yxy color **38.6431, 0.2276, 0.3255** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **12.0343, 0.5914, 0.3314**, and the grayscale version is **26.3519, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.3548, 0.2433, 0.3276**, and **17.9538, 0.2228, 0.3221** is the 20% darker color. If you saturate the color by 10%, you get **38.2929, 0.2249, 0.3251**, and if you desaturate by 10%, it is **39.1710, 0.2321, 0.3259**.

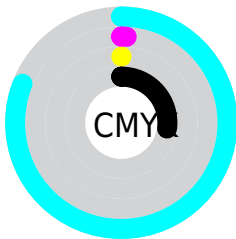
Distribution



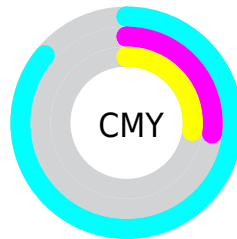
- Red (14%)
- Green (73%)
- Blue (73%)



- Red (14%)
- Yellow (43%)
- Blue (73%)



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.6431, 0.2276, 0.3255 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 38.6431, 0.2276, 0.3255 by changing the saturation by 10% instead.


 38.6431, 0.2276,
0.3255


 38.6431, 0.2276,
0.3255


340.3707, 0.2702,
0.3286

 26.4822, 0.2170,
0.3243


 73.0928, 0.2431,
0.3270

 17.1847, 0.2036,
0.3224


 96.1503, 0.2489,
0.3274

 10.3663, 0.1859,
0.3194


 123.6089, 0.2538,
0.3277

 5.6425, 0.1619,
0.3142

 155.8529, 0.2580,
0.3280

 2.6289, 0.1278,
0.3042

 193.2667, 0.2617,
0.3282

 0.9412, 0.0093,
0.3031

236.2346, 0.2649,

 0.0000, 0.0000,

0.3284

0.0000

285.1412, 0.2677,
0.3285

■ 38.6431, 0.2276,
0.3255

■ 38.6431, 0.2276,
0.3255

■ 38.2929, 0.2249,
0.3251

■ 39.1710, 0.2321,
0.3259

■ 38.0847, 0.2235,
0.3247

■ 39.8965, 0.2385,
0.3264

■ 40.8415, 0.2467,
0.3269

■ 42.0238, 0.2568,
0.3273

■ 43.4596, 0.2685,
0.3278

■ 45.1634, 0.2816,
0.3282

■ 47.1489, 0.2959,
0.3286

■ 49.4285, 0.3110,
0.3290

■ 52.0143, 0.3266,
0.3293

Harmonies

Analogous

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



38.6431, 0.2642, 0.3817



38.6431, 0.2276, 0.3255



38.6431, 0.2131, 0.2771

Triad

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



38.6431, 0.2276, 0.3255



38.6431, 0.3016, 0.2544



38.6431, 0.4095, 0.4050

Complementary

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



38.6431, 0.2276, 0.3255



12.0343, 0.5914, 0.3314

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.



38.6431, 0.4236, 0.3657



38.6431, 0.2276, 0.3255



38.6431, 0.3583, 0.2830

Square

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



38.6431, 0.2276, 0.3255



38.6431, 0.2526, 0.2417



38.6431, 0.4047, 0.3223



38.6431, 0.3692, 0.4285

Rectangle

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



38.6431, 0.2276, 0.3255



38.6431, 0.2164, 0.2556



38.6431, 0.4047, 0.3223



38.6431, 0.4176, 0.3930

Sweetspot

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



38.6445, 0.2276, 0.3255



79.8212, 0.2772, 0.3280



36.0327, 0.3011, 0.5775



17.3376, 0.2725, 0.3279



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.



38.6445, 0.2276, 0.3255



68.2718, 0.2238, 0.3248



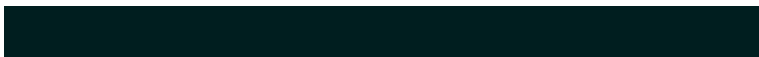
15.3563, 0.1924, 0.1922



10.7871, 0.2985, 0.3286



26.2454, 0.2235, 0.3247



1.0351, 0.2238, 0.3258

Inverse Universe

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



15.2896, 0.3231, 0.1654



25.3179, 0.3242, 0.1567



22.0948, 0.4993, 0.4162



9.6940, 0.3140, 0.3067



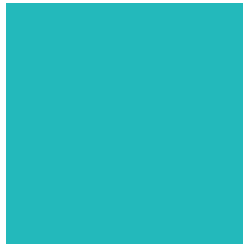
9.6792, 0.3242, 0.1560



0.3799, 0.3234, 0.1555

Previews

White Background



This preview shows how the Yxy color 38.6431, 0.2276, 0.3255 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 38.6431, 0.2276, 0.3255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

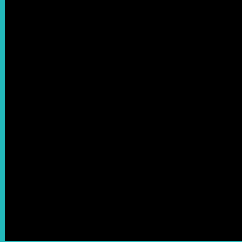
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

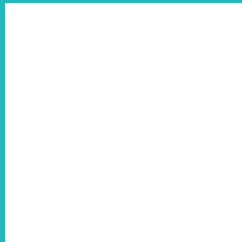
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.6431, 0.2276, 0.3255

Background



This preview shows how black text looks on a background with the Yxy color 38.6431, 0.2276, 0.3255.

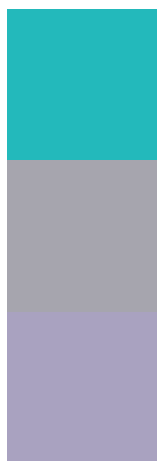


This preview shows how white text looks on a background with the Yxy color 38.6431, 0.2276, 0.3255.

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

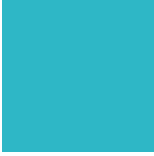
38.6431, 0.2276, 0.3255

Protanopia

38.0733, 0.3060, 0.3164

Deuteranopia

38.0814, 0.2938, 0.2884



Tritanopia

38.5250, 0.2240, 0.3054

Trichromacy



Original Color

38.6431, 0.2276, 0.3255



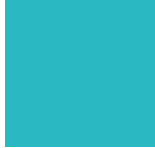
Protanomaly

36.6113, 0.2638, 0.3181



Deuteranomaly

36.4602, 0.2576, 0.2989



Tritanomaly

38.6683, 0.2253, 0.3130

Monochromacy



Original Color

38.6431, 0.2276, 0.3255



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

29.0360, 0.2642, 0.3271

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.6431, 0.2276, 0.3255 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, 187)` looks like.

```
.text, #text, p{  
    color:rgb(35, 185, 187)  
}
```

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, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 185, 187) }
```

Border

The CSS property to change the border of an element to Yxy 38.6431, 0.2276, 0.3255 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, 187) }
```

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

```
.border{ border-color:rgb(35, 185, 187) }
```

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, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 185, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 185, 187);  
box-shadow:4px 4px 4px 4px rgb(35, 185,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 38.6431, 0.2276, 0.3255 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, 187) }
```

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

```
.background{ background-color: rgb(35, 185,  
187) }
```

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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