

Converting Colors

$Y_{xy}(45.4210, 0.2337, 0.3560)$

Have a look what the booklet for
Yxy(45.4210, 0.2337, 0.3560)
contains.

Yxy(45.3827, 0.2335, 0.3553)	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(45.3827, 0.2335, 0.3553)

Conversions

Conversions Part 1

Format	Color
Hex	14C9B8
RGB	20, 201, 184
RGB Percent	8%, 79%, 72%
CMY	0.9214, 0.2117, 0.2785
CMYK	0.90, 0.00, 0.08, 0.21
HSL	174°, 82%, 43%
HSV	174°, 90%, 79%
XYZ	29.8251, 45.3827, 52.5228
YIQ	144.9430, -102.4190, -43.6590

Conversions

Conversions Part 2

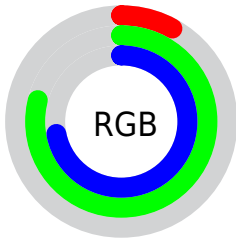
Format	Color
RYB	20, 115, 201
Decimal	1362360
CIELab	73.14, -44.47, -3.16
CIELCh	73, 44.580, 184.062
Yxy	45.3827, 0.2335, 0.3553
Android (android.graphics.Color)	4279552440 (0xFF14C9B8)
YUV	144.9430, 19.2551, -109.5750
Hunter-Lab	67.3667, -38.8648, 0.9309

Details

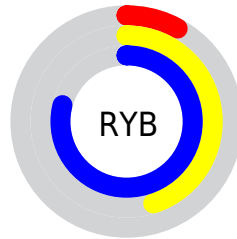
The Yxy color **45.3827, 0.2335, 0.3553** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed spring green. A complement of this color would be **13.0535, 0.6062, 0.3207**, and the grayscale version is **28.2465, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9994, 0.2468, 0.3466**, and **22.1965, 0.2335, 0.3605** is the 20% darker color. If you saturate the color by 10%, you get **45.1569, 0.2329, 0.3585**, and if you desaturate by 10%, it is **45.7690, 0.2355, 0.3521**.

Distribution



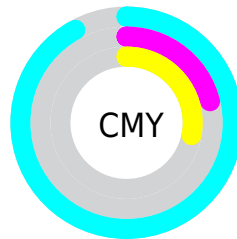
- Red (8%)
- Green (79%)
- Blue (72%)



- Red (8%)
- Yellow (45%)
- Blue (79%)



- Cyan (90%)
- Magenta (0%)
- Yellow (8%)
- Black (21%)




- Cyan (92%)
- Magenta (21%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.3827, 0.2335, 0.3553 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 45.3827, 0.2335, 0.3553 by changing the saturation by 10% instead.


 45.3827, 0.2335,
0.3553

 45.3827, 0.2335,
0.3553

368.3213, 0.2726,
0.3427

 31.7590, 0.2240,
0.3583

 83.2944, 0.2476,
0.3509


 21.1775, 0.2118,
0.3619


 108.3512, 0.2529,
0.3491

 13.2538, 0.1960,
0.3666

 137.9877, 0.2574,
0.3477

 7.6035, 0.1746,
0.3726

 172.5885, 0.2613,
0.3464

 3.8423, 0.1444,
0.3804

 212.5378, 0.2647,
0.3453

 1.5858, 0.0752,
0.4008

258.2201, 0.2677,

 0.3480, 0.0000,

0.3443

0.3672

310.0198, 0.2703,
0.3435

■ 0.0000, 0.0000,
0.0000

■ 45.3827, 0.2335,
0.3553

■ 45.3827, 0.2335,
0.3553

■ 45.1569, 0.2329,
0.3585

■ 45.7690, 0.2355,
0.3521

■ 46.3640, 0.2394,
0.3489

■ 47.1980, 0.2452,
0.3457

■ 48.2952, 0.2529,
0.3425

■ 49.6765, 0.2623,
0.3395

■ 51.3611, 0.2733,
0.3366

■ 53.3662, 0.2855,
0.3339

■ 55.7079, 0.2987,
0.3313

■ 58.4011, 0.3127,
0.3290

Harmonies

Analogous

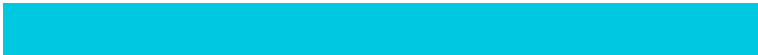
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.3827, 0.2836, 0.4153



45.3827, 0.2335, 0.3553



45.3827, 0.2057, 0.2931

Triad

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



45.3827, 0.2335, 0.3553



45.3827, 0.2717, 0.2367



45.3827, 0.4337, 0.3933

Complementary

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



45.3827, 0.2335, 0.3553



13.0535, 0.6062, 0.3207

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.



45.3827, 0.4329, 0.3458



45.3827, 0.2335, 0.3553



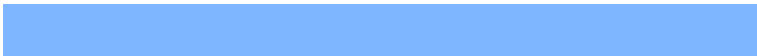
45.3827, 0.3335, 0.2605

Square

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



45.3827, 0.2335, 0.3553



45.3827, 0.2261, 0.2321



45.3827, 0.3949, 0.2991



45.3827, 0.4000, 0.4314

Rectangle

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



45.3827, 0.2335, 0.3553



45.3827, 0.2014, 0.2618



45.3827, 0.3949, 0.2991



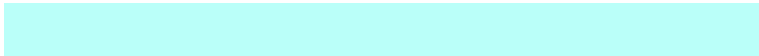
45.3827, 0.4377, 0.3779

Sweetspot

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



45.3844, 0.2335, 0.3553



88.7877, 0.2764, 0.3358



42.2407, 0.3042, 0.5889



18.7667, 0.2723, 0.3368



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.3844, 0.2335, 0.3553



77.2901, 0.2330, 0.3589



19.9657, 0.1926, 0.2064



12.0497, 0.2996, 0.3312



28.3987, 0.2328, 0.3580



1.3498, 0.2309, 0.3514

Inverse Universe

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



13.0535, 0.6062, 0.3207



21.3259, 0.6319, 0.3254



20.1961, 0.5467, 0.3933



10.6529, 0.3275, 0.3269



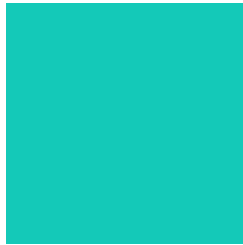
7.8432, 0.6281, 0.3234



0.3771, 0.5917, 0.3033

Previews

White Background



This preview shows how the Yxy color 45.3827, 0.2335, 0.3553 looks on a white background.

Color Contrast Check

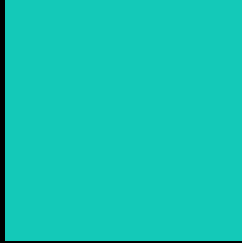
Large Text (above 18pt) WCAG AA × Fail

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 45.3827, 0.2335, 0.3553 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

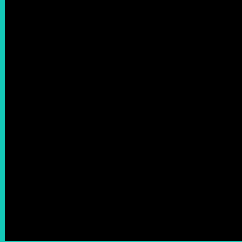
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

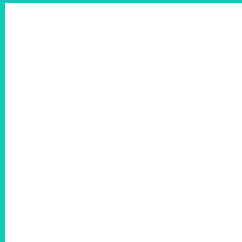
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.3827, 0.2335, 0.3553

Background



This preview shows how black text looks on a background with the Yxy color 45.3827, 0.2335, 0.3553.

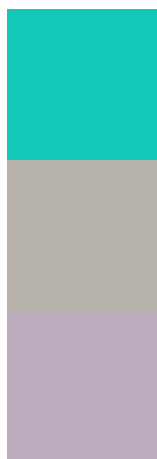


This preview shows how white text looks on a background with the Yxy color 45.3827, 0.2335, 0.3553.

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

45.3827, 0.2335, 0.3553

Protanopia

44.4518, 0.3229, 0.3370

Deuteranopia

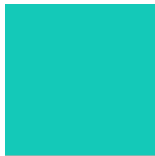
44.5520, 0.3137, 0.3074



Tritanopia

45.4667, 0.2244, 0.3055

Trichromacy



Original Color

45.3827, 0.2335, 0.3553



Protanomaly

42.5375, 0.2724, 0.3437



Deuteranomaly

42.0870, 0.2668, 0.3216



Tritanomaly

45.1036, 0.2271, 0.3228

Monochromacy



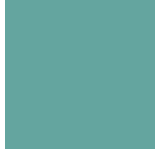
Original Color

45.3827, 0.2335, 0.3553



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

32.1228, 0.2634, 0.3389

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3827, 0.2335, 0.3553 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(20, 201, 184)` looks like.

```
.text, #text, p{  
    color:rgb(20, 201, 184)  
}
```

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(20, 201, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 201, 184) }
```

Border

The CSS property to change the border of an element to Yxy 45.3827, 0.2335, 0.3553 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(20, 201, 184) }
```

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

```
.border{ border-color:rgb(20, 201, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 201, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 201, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 201, 184);  
box-shadow:4px 4px 4px 4px rgb(20, 201,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3827, 0.2335, 0.3553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 201, 184) }
```

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

```
.background{ background-color: rgb(20, 201,  
184) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor