

Converting Colors

$Y_{xy}(45.3317, 0.2335, 0.3604)$

Have a look what the booklet for
Yxy(45.3317, 0.2335, 0.3604)
contains.

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Color

Yxy(45.1159, 0.2335, 0.3602)

Conversions

Conversions Part 1

Format	Color
Hex	02C9B5
RGB	2, 201, 181
RGB Percent	1%, 79%, 71%
CMY	0.9935, 0.2118, 0.2901
CMYK	0.99, 0.00, 0.10, 0.21
HSL	174°, 98%, 40%
HSV	174°, 99%, 79%
XYZ	29.2464, 45.1159, 50.8900
YIQ	139.2190, -112.1840, -48.4080

Conversions

Conversions Part 2

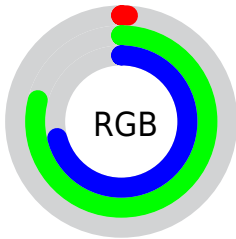
Format	Color
RYB	2, 107, 201
Decimal	182709
CIELab	72.97, -45.93, -1.82
CIELCh	73, 45.962, 182.266
Yxy	45.1159, 0.2335, 0.3602
Android (android.graphics.Color)	4278372789 (0xFF02C9B5)
YUV	139.2190, 20.5980, -120.3411
Hunter-Lab	67.1684, -39.8222, 2.0969

Details

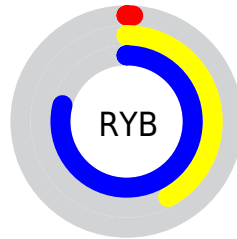
The Yxy color **45.1159, 0.2335, 0.3602** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **12.5089, 0.6276, 0.3238**, and the grayscale version is **25.8151, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.5775, 0.2467, 0.3503**, and **22.1163, 0.2353, 0.3672** is the 20% darker color. If you saturate the color by 10%, you get **45.1002, 0.2335, 0.3605**, and if you desaturate by 10%, it is **45.3580, 0.2341, 0.3568**.

Distribution



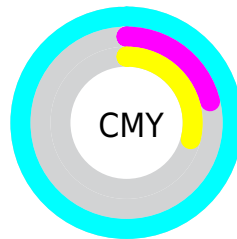
- Red (1%)
- Green (79%)
- Blue (71%)



- Red (1%)
- Yellow (42%)
- Blue (79%)



- Cyan (99%)
- Magenta (0%)
- Yellow (10%)
- Black (21%)





- Cyan (99%)
- Magenta (21%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.1159, 0.2335, 0.3602 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 45.1159, 0.2335, 0.3602 by changing the saturation by 10% instead.


 45.1159, 0.2335,
0.3602

 45.1159, 0.2335,
0.3602


367.2428, 0.2727,
0.3450

 31.5487, 0.2239,
0.3639


 82.8943, 0.2476,
0.3548


 21.0170, 0.2117,
0.3685


 107.8743, 0.2530,
0.3527

 13.1365, 0.1957,
0.3744


 137.4274, 0.2575,
0.3509

 7.5226, 0.1740,
0.3823

 171.9380, 0.2614,
0.3494

 3.7910, 0.1433,
0.3931

 211.7904, 0.2648,
0.3481

 1.5574, 0.0660,
0.4222

257.3691, 0.2678,

 0.3286, 0.0000,

0.3469

0.4040

309.0584, 0.2704,
0.3459

■ 0.0000, 0.0000,
0.0000

■ 45.1159, 0.2335,
0.3602

■ 45.1159, 0.2335,
0.3602

■ 45.1002, 0.2335,
0.3605

■ 45.3580, 0.2341,
0.3568

■ 45.7638, 0.2363,
0.3534

■ 46.3829, 0.2402,
0.3499

■ 47.2433, 0.2462,
0.3465

■ 48.3688, 0.2539,
0.3432

■ 49.7804, 0.2635,
0.3399

■ 51.4968, 0.2745,
0.3368

■ 53.5352, 0.2867,
0.3339

■ 55.9117, 0.3000,
0.3313

Harmonies

Analogous

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



45.1159, 0.2861, 0.4214



45.1159, 0.2335, 0.3602



45.1159, 0.2035, 0.2951

Triad

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



45.1159, 0.2335, 0.3602



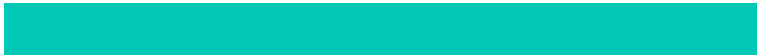
45.1159, 0.2669, 0.2332



45.1159, 0.4386, 0.3921

Complementary

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



45.1159, 0.2335, 0.3602



12.5089, 0.6276, 0.3238

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.



45.1159, 0.4356, 0.3430



45.1159, 0.2335, 0.3602



45.1159, 0.3300, 0.2566

Square

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



45.1159, 0.2335, 0.3602



45.1159, 0.2215, 0.2297



45.1159, 0.3942, 0.2954



45.1159, 0.4054, 0.4326

Rectangle

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



45.1159, 0.2335, 0.3602



45.1159, 0.1981, 0.2620



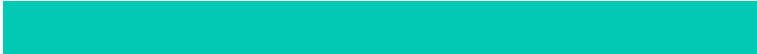
45.1159, 0.3942, 0.2954



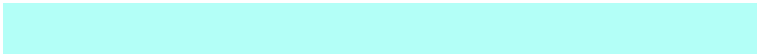
45.1159, 0.4420, 0.3761

Sweetspot

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



45.1176, 0.2335, 0.3602



87.7802, 0.2730, 0.3372



41.9793, 0.3029, 0.5971



18.5117, 0.2682, 0.3385



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.



45.1176, 0.2335, 0.3602



77.2020, 0.2336, 0.3609



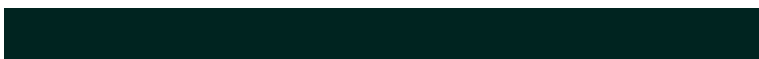
18.7879, 0.1887, 0.1987



12.0485, 0.2997, 0.3313



28.3672, 0.2333, 0.3600



1.3486, 0.2314, 0.3529

Inverse Universe

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



12.5089, 0.6276, 0.3238



21.3326, 0.6310, 0.3250



17.8781, 0.5733, 0.3821



10.6539, 0.3274, 0.3267



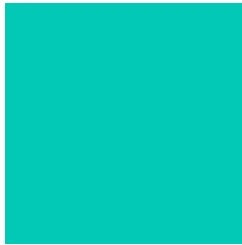
7.8461, 0.6271, 0.3228



0.3775, 0.5889, 0.3018

Previews

White Background



This preview shows how the Yxy color 45.1159, 0.2335, 0.3602 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 45.1159, 0.2335, 0.3602 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

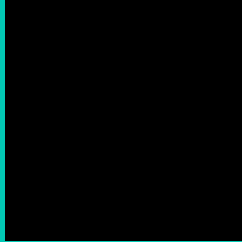
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

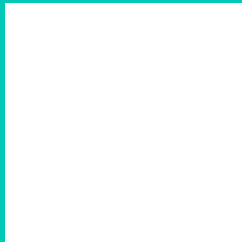
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.1159, 0.2335, 0.3602

Background



This preview shows how black text looks on a background with the Yxy color 45.1159, 0.2335, 0.3602.

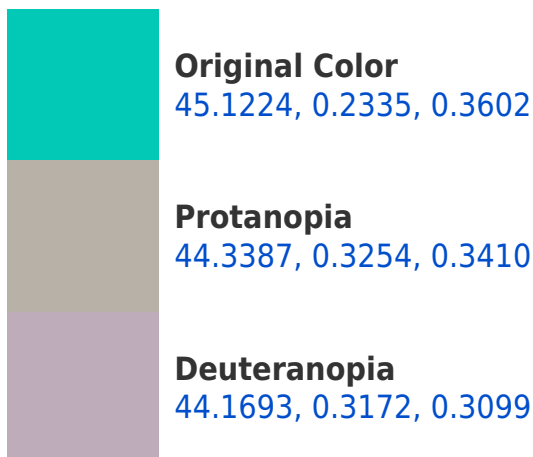


This preview shows how white text looks on a background with the Yxy color 45.1159, 0.2335, 0.3602.

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





Tritanopia

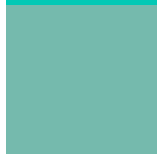
44.9371, 0.2242, 0.3054

Trichromacy



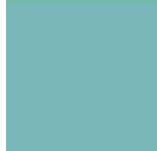
Original Color

45.1224, 0.2335, 0.3602



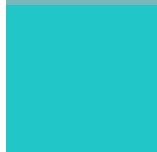
Protanomaly

41.9168, 0.2697, 0.3485



Deuteranomaly

41.5073, 0.2647, 0.3259



Tritanomaly

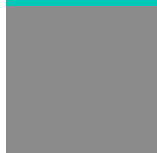
44.9285, 0.2263, 0.3242

Monochromacy



Original Color

45.1224, 0.2335, 0.3602



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

30.2976, 0.2588, 0.3428

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1159, 0.2335, 0.3602 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(2, 201, 181)` looks like.

```
.text, #text, p{  
    color:rgb(2, 201, 181)  
}
```

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(2, 201, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 201, 181) }
```

Border

The CSS property to change the border of an element to Yxy 45.1159, 0.2335, 0.3602 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(2, 201, 181) }
```

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

```
.border{ border-color:rgb(2, 201, 181) }
```

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

Here you see how a box with a 4 pixel rgb(2, 201, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 201, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 201, 181);  
box-shadow:4px 4px 4px 4px rgb(2, 201,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1159, 0.2335, 0.3602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 201, 181) }
```

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

```
.background{ background-color: rgb(2, 201,  
181) }
```

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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