

Converting Colors

$Y_{xy}(45.1050, 0.2378, 0.3573)$

Have a look what the booklet for
Yxy(45.1050, 0.2378, 0.3573)
contains.

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Color

Yxy(45.1995, 0.2375, 0.3568)

Conversions

Conversions Part 1

Format	Color
Hex	2BC8B6
RGB	43, 200, 182
RGB Percent	17%, 78%, 71%
CMY	0.8323, 0.2156, 0.2863
CMYK	0.79, 0.00, 0.09, 0.22
HSL	173°, 65%, 48%
HSV	173°, 79%, 78%
XYZ	30.0866, 45.1995, 51.3942
YIQ	151.0050, -87.7940, -38.8820

Conversions

Conversions Part 2

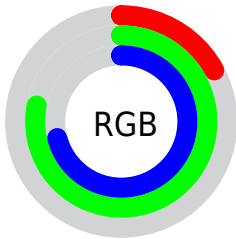
Format	Color
R _Y B	43, 126, 200
Decimal	2869430
CIE Lab	73.02, -42.96, -2.23
CIE LCh	73, 43.019, 182.976
Yxy	45.1995, 0.2375, 0.3568
Android (android.graphics.Color)	4281059510 (0xFF2BC8B6)
YUV	151.0050, 15.2805, -94.7204
Hunter-Lab	67.2306, -37.7724, 1.7374

Details

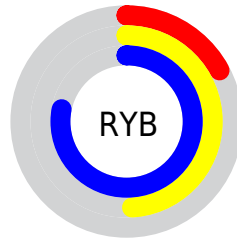
The Yxy color **45.1995, 0.2375, 0.3568** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle muted spring green. A complement of this color would be **14.3272, 0.5590, 0.3139**, and the grayscale version is **30.8840, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.4061, 0.2503, 0.3489**, and **21.8358, 0.2342, 0.3629** is the 20% darker color. If you saturate the color by 10%, you get **44.7780, 0.2354, 0.3608**, and if you desaturate by 10%, it is **45.8374, 0.2415, 0.3528**.

Distribution



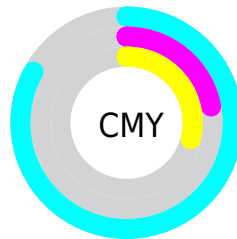
- Red (17%)
- Green (78%)
- Blue (71%)



- Red (17%)
- Yellow (49%)
- Blue (78%)



- Cyan (79%)
- Magenta (0%)
- Yellow (9%)
- Black (22%)





- Cyan (83%)
- Magenta (22%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.1995, 0.2375, 0.3568 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 45.1995, 0.2375, 0.3568 by changing the saturation by 10% instead.

 45.1995, 0.2375,
0.3568

 45.1995, 0.2375,
0.3568


367.5809, 0.2748,
0.3433


 31.6146, 0.2284,
0.3600


 83.0197, 0.2509,
0.3520


 21.0673, 0.2167,
0.3641

 108.0238, 0.2560,
0.3502

 13.1732, 0.2015,
0.3693


 137.6031, 0.2603,
0.3486

 7.5479, 0.1808,
0.3762

 172.1419, 0.2640,
0.3472

 3.8071, 0.1513,
0.3856

 212.0247, 0.2672,
0.3461

 1.5662, 0.0839,
0.4087

257.6359, 0.2701,

 0.3347, 0.0000,

0.3450

0.3913

309.3598, 0.2725,
0.3441

■ 0.0000, 0.0000,
0.0000

■ 45.1995, 0.2375,
0.3568

■ 45.1995, 0.2375,
0.3568

■ 44.7780, 0.2354,
0.3608

■ 45.8374, 0.2415,
0.3528

■ 44.5240, 0.2348,
0.3647

■ 46.7139, 0.2474,
0.3489

■ 44.4935, 0.2348,
0.3652

■ 47.8542, 0.2552,
0.3450

■ 49.2786, 0.2647,
0.3413

■ 51.0058, 0.2757,
0.3378

■ 53.0526, 0.2878,
0.3345

■ 55.4348, 0.3009,
0.3314

■ 58.1669, 0.3146,
0.3286

■ 61.2628, 0.3288,
0.3261

Harmonies

Analogous

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



45.1995, 0.2868, 0.4138



45.1995, 0.2375, 0.3568



45.1995, 0.2095, 0.2964

Triad

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



45.1995, 0.2375, 0.3568



45.1995, 0.2712, 0.2388



45.1995, 0.4304, 0.3901

Complementary

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



45.1995, 0.2375, 0.3568



14.3272, 0.5590, 0.3139

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.



45.1995, 0.4281, 0.3440



45.1995, 0.2375, 0.3568



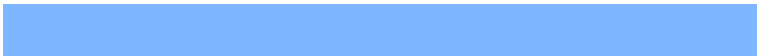
45.1995, 0.3307, 0.2615

Square

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



45.1995, 0.2375, 0.3568



45.1995, 0.2276, 0.2353



45.1995, 0.3902, 0.2986



45.1995, 0.3990, 0.4272

Rectangle

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



45.1995, 0.2375, 0.3568



45.1995, 0.2046, 0.2655



45.1995, 0.3902, 0.2986



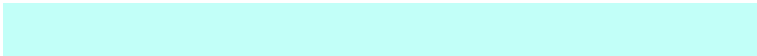
45.1995, 0.4338, 0.3752

Sweetspot

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



45.2012, 0.2375, 0.3568



89.7395, 0.2807, 0.3363



42.4837, 0.3080, 0.5683



18.9450, 0.2764, 0.3376



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.



45.2012, 0.2375, 0.3568



77.2000, 0.2349, 0.3634



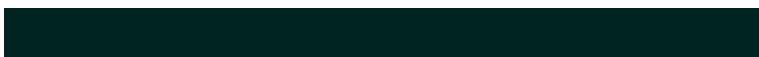
23.3592, 0.2031, 0.2286



12.0458, 0.2999, 0.3316



28.2945, 0.2346, 0.3647



1.3458, 0.2324, 0.3565

Inverse Universe

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



14.3272, 0.5590, 0.3139



21.7828, 0.6164, 0.3209



22.1642, 0.5172, 0.3938



10.6564, 0.3272, 0.3264



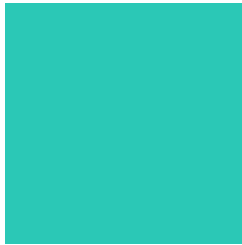
7.8536, 0.6247, 0.3215



0.3787, 0.5824, 0.2982

Previews

White Background



This preview shows how the Yxy color 45.1995, 0.2375, 0.3568 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 45.1995, 0.2375, 0.3568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

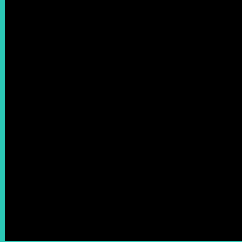
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

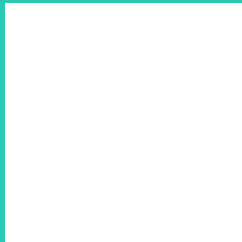
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.1995, 0.2375, 0.3568

Background



This preview shows how black text looks on a background with the Yxy color 45.1995, 0.2375, 0.3568.

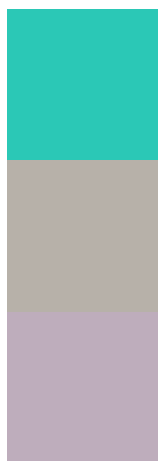


This preview shows how white text looks on a background with the Yxy color 45.1995, 0.2375, 0.3568.

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

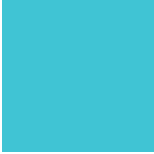
45.1995, 0.2375, 0.3568

Protanopia

44.3761, 0.3246, 0.3396

Deuteranopia

44.4651, 0.3154, 0.3099



Tritanopia

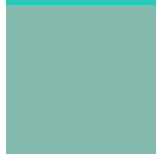
45.3233, 0.2275, 0.3056

Trichromacy



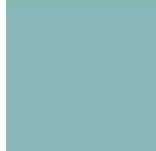
Original Color

45.1995, 0.2375, 0.3568



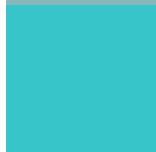
Protanomaly

42.6594, 0.2791, 0.3451



Deuteranomaly

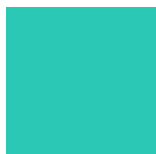
42.6464, 0.2736, 0.3246



Tritanomaly

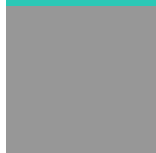
44.9903, 0.2306, 0.3228

Monochromacy



Original Color

45.1995, 0.2375, 0.3568



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

34.4293, 0.2707, 0.3402

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1995, 0.2375, 0.3568 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(43, 200, 182)` looks like.

```
.text, #text, p{  
  color:rgb(43, 200, 182)  
}
```

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(43, 200, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 200, 182) }
```

Border

The CSS property to change the border of an element to Yxy 45.1995, 0.2375, 0.3568 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(43, 200, 182) }
```

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

```
.border{ border-color:rgb(43, 200, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 200, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 200, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 200, 182);  
box-shadow:4px 4px 4px 4px rgb(43, 200,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1995, 0.2375, 0.3568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 200, 182) }
```

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

```
.background{ background-color: rgb(43, 200,  
182) }
```

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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