

Converting Colors

$Yxy(45.9857, 0.2357, 0.3527)$

Have a look what the booklet for
Yxy(45.9857, 0.2357, 0.3527)
contains.

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Color

Yxy(45.7696, 0.2354, 0.3519)

Conversions

Conversions Part 1

Format	Color
Hex	28C9BA
RGB	40, 201, 186
RGB Percent	16%, 79%, 73%
CMY	0.8442, 0.2117, 0.2706
CMYK	0.80, 0.00, 0.07, 0.21
HSL	174°, 67%, 47%
HSV	174°, 80%, 79%
XYZ	30.6171, 45.7696, 53.6775
YIQ	151.1510, -91.1410, -38.7970

Conversions

Conversions Part 2

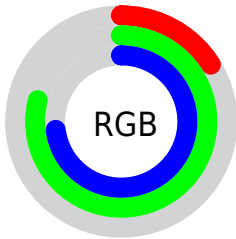
Format	Color
RYB	40, 124, 201
Decimal	2673082
CIELab	73.40, -42.58, -3.86
CIELCh	73, 42.751, 185.185
Yxy	45.7696, 0.2354, 0.3519
Android (android.graphics.Color)	4280863162 (0xFF28C9BA)
YUV	151.1510, 17.1806, -97.4794
Hunter-Lab	67.6532, -37.6113, 0.3153

Details

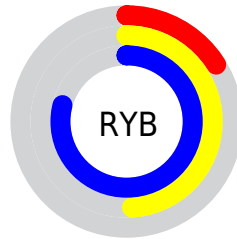
The Yxy color **45.7696, 0.2354, 0.3519** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle muted spring green. A complement of this color would be **14.1928, 0.5711, 0.3176**, and the grayscale version is **30.9380, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5756, 0.2483, 0.3441**, and **22.2512, 0.2323, 0.3561** is the 20% darker color. If you saturate the color by 10%, you get **45.3913, 0.2334, 0.3551**, and if you desaturate by 10%, it is **46.3612, 0.2392, 0.3487**.

Distribution



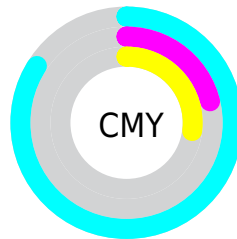
- Red (16%)
- Green (79%)
- Blue (73%)



- Red (16%)
- Yellow (49%)
- Blue (79%)



- Cyan (80%)
- Magenta (0%)
- Yellow (7%)
- Black (21%)





- Cyan (84%)
- Magenta (21%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.7696, 0.2354, 0.3519 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 45.7696, 0.2354, 0.3519 by changing the saturation by 10% instead.


 45.7696, 0.2354,
0.3519


 45.7696, 0.2354,
0.3519


369.8816, 0.2735,
0.3411


 32.0640, 0.2261,
0.3544


 83.8741, 0.2491,
0.3481

 21.4104, 0.2144,
0.3575


 109.0418, 0.2543,
0.3466


 13.4243, 0.1990,
0.3613


 138.7990, 0.2587,
0.3454

 7.7214, 0.1782,
0.3662

 173.5301, 0.2625,
0.3443

 3.9172, 0.1489,
0.3724

 213.6196, 0.2658,
0.3433

 1.6274, 0.0880,
0.3869

259.4517, 0.2687,

 0.3759, 0.0000,

0.3425

0.3562

311.4109, 0.2712,
0.3417

■ 0.0000, 0.0000,
0.0000

■ 45.7696, 0.2354,
0.3519

■ 45.7696, 0.2354,
0.3519

■ 45.3913, 0.2334,
0.3551

■ 46.3612, 0.2392,
0.3487

■ 45.1702, 0.2328,
0.3581

■ 47.1896, 0.2450,
0.3455

■ 48.2806, 0.2527,
0.3424

■ 49.6554, 0.2620,
0.3394

■ 51.3332, 0.2730,
0.3366

■ 53.3311, 0.2852,
0.3338

■ 55.6653, 0.2984,
0.3313

■ 58.3508, 0.3124,
0.3291

■ 61.4016, 0.3268,
0.3270

Harmonies

Analogous

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



45.7696, 0.2830, 0.4094



45.7696, 0.2354, 0.3519



45.7696, 0.2094, 0.2930

Triad

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



45.7696, 0.2354, 0.3519



45.7696, 0.2755, 0.2407



45.7696, 0.4280, 0.3928

Complementary

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



45.7696, 0.2354, 0.3519



14.1928, 0.5711, 0.3176

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.



45.7696, 0.4283, 0.3474



45.7696, 0.2354, 0.3519



45.7696, 0.3351, 0.2644

Square

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



45.7696, 0.2354, 0.3519



45.7696, 0.2308, 0.2357



45.7696, 0.3932, 0.3021



45.7696, 0.3949, 0.4283

Rectangle

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



45.7696, 0.2354, 0.3519



45.7696, 0.2058, 0.2634



45.7696, 0.3932, 0.3021



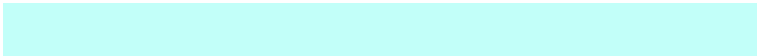
45.7696, 0.4322, 0.3782

Sweetspot

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



45.7713, 0.2354, 0.3519



89.8215, 0.2801, 0.3349



42.7683, 0.3065, 0.5726



18.9650, 0.2757, 0.3359



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.



45.7713, 0.2354, 0.3519



77.4244, 0.2330, 0.3573



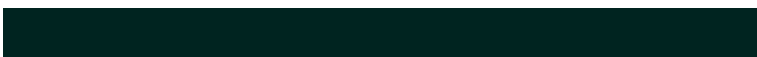
22.4141, 0.2004, 0.2214



12.0499, 0.2996, 0.3311



28.4040, 0.2327, 0.3577



1.3500, 0.2309, 0.3511

Inverse Universe

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



14.1928, 0.5711, 0.3176



21.5911, 0.6247, 0.3241



22.5216, 0.5189, 0.3969



10.6527, 0.3275, 0.3269



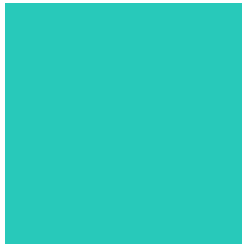
7.8427, 0.6283, 0.3235



0.3770, 0.5922, 0.3036

Previews

White Background



This preview shows how the Yxy color 45.7696, 0.2354, 0.3519 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 45.7696, 0.2354, 0.3519 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

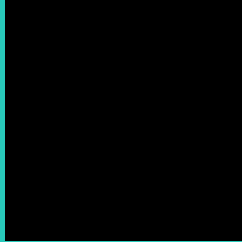
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

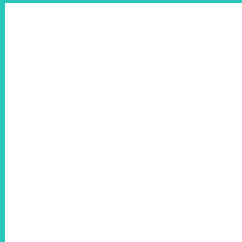
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.7696, 0.2354, 0.3519

Background



This preview shows how black text looks on a background with the Yxy color 45.7696, 0.2354, 0.3519.

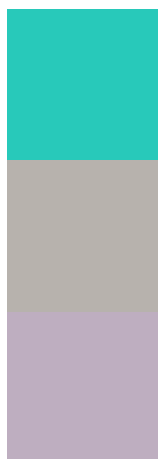


This preview shows how white text looks on a background with the Yxy color 45.7696, 0.2354, 0.3519.

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

45.7696, 0.2354, 0.3519

Protanopia

44.9252, 0.3212, 0.3356

Deuteranopia

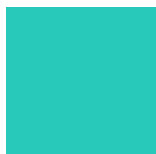
45.0250, 0.3120, 0.3062



Tritanopia

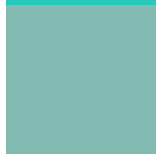
45.6973, 0.2263, 0.3056

Trichromacy



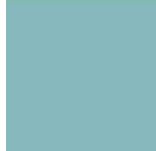
Original Color

45.7696, 0.2354, 0.3519



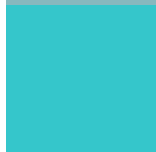
Protanomaly

43.1575, 0.2758, 0.3406



Deuteranomaly

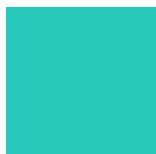
43.1496, 0.2704, 0.3203



Tritanomaly

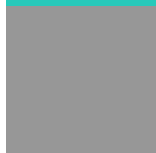
45.4568, 0.2293, 0.3213

Monochromacy



Original Color

45.7696, 0.2354, 0.3519



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

34.4358, 0.2685, 0.3369

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7696, 0.2354, 0.3519 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(40, 201, 186)` looks like.

```
.text, #text, p{  
    color:rgb(40, 201, 186)  
}
```

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(40, 201, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 201, 186) }
```

Border

The CSS property to change the border of an element to Yxy 45.7696, 0.2354, 0.3519 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(40, 201, 186) }
```

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

```
.border{ border-color:rgb(40, 201, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 201, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 201, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 201, 186);  
box-shadow:4px 4px 4px 4px rgb(40, 201,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7696, 0.2354, 0.3519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 201, 186) }
```

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

```
.background{ background-color: rgb(40, 201,  
186) }
```

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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