

Converting Colors

$Y_{xy}(38.7606, 0.2134, 0.3720)$

Have a look what the booklet for
Yxy(38.7606, 0.2134, 0.3720)
contains.

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Color

Yxy(40.5264, 0.2357, 0.3686)

Conversions

Conversions Part 1

Format	Color
Hex	00C0A8
RGB	0, 192, 168
RGB Percent	0%, 75%, 66%
CMY	1.0000, 0.2470, 0.3411
CMYK	1.00, 0.00, 0.12, 0.25
HSL	173°, 100%, 38%
HSV	173°, 100%, 75%
XYZ	25.9145, 40.5264, 43.5060
YIQ	131.8560, -106.7280, -48.1680

Conversions

Conversions Part 2

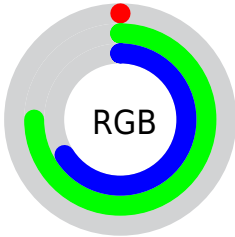
Format	Color
RYB	0, 102, 192
Decimal	49320
CIELab	69.84, -45.79, 0.70
CIELCh	70, 45.799, 179.128
Yxy	40.5264, 0.2357, 0.3686
Android (android.graphics.Color)	4278239400 (0xFF00C0A8)
YUV	131.8560, 17.8190, -115.6377
Hunter-Lab	63.6603, -38.7429, 4.0430

Details

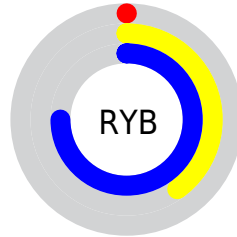
The Yxy color **40.5264, 0.2357, 0.3686** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **11.2734, 0.6247, 0.3215**, and the grayscale version is **22.9852, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.7884, 0.2499, 0.3610**, and **19.1523, 0.2380, 0.3768** is the 20% darker color. If you saturate the color by 10%, you get **40.5302, 0.2357, 0.3686**, and if you desaturate by 10%, it is **40.7610, 0.2361, 0.3643**.

Distribution



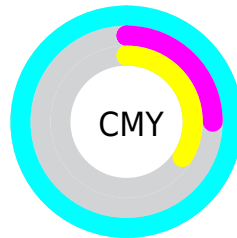
- Red (0%)
- Green (75%)
- Blue (66%)



- Red (0%)
- Yellow (40%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (12%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5264, 0.2357, 0.3686 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 40.5264, 0.2357, 0.3686 by changing the saturation by 10% instead.


 40.5264, 0.2357,
0.3686


 40.5264, 0.2357,
0.3686


348.3373, 0.2747,
0.3485


 27.9492, 0.2259,
0.3737


 75.9644, 0.2500,
0.3612


 18.2874, 0.2132,
0.3803


 99.5941, 0.2553,
0.3585

 11.1565, 0.1964,
0.3891


 127.6766, 0.2598,
0.3561

 6.1722, 0.1730,
0.4014

 160.5965, 0.2637,
0.3542

 2.9501, 0.1389,
0.4196

 198.7381, 0.2670,
0.3524

 1.1057, 0.0000,
0.4905

242.4859, 0.2699,

 0.0000, 0.0000,

0.3509

0.0000

292.2241, 0.2725,
0.3496

■ 40.5264, 0.2357,
0.3686

■ 40.5264, 0.2357,
0.3686

■ 40.5302, 0.2357,
0.3686

■ 40.7610, 0.2361,
0.3643

■ 41.1322, 0.2380,
0.3600

■ 41.6938, 0.2416,
0.3556

■ 42.4710, 0.2473,
0.3513

■ 43.4854, 0.2547,
0.3471

■ 44.7558, 0.2639,
0.3430

■ 46.2992, 0.2745,
0.3391

■ 48.1310, 0.2864,
0.3355

■ 50.2656, 0.2992,
0.3321

Harmonies

Analogous

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



40.5264, 0.2916, 0.4298



40.5264, 0.2357, 0.3686



40.5264, 0.2023, 0.3000

Triad

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



40.5264, 0.2357, 0.3686



40.5264, 0.2595, 0.2291



40.5264, 0.4441, 0.3884

Complementary

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



40.5264, 0.2357, 0.3686



11.2734, 0.6247, 0.3215

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.



40.5264, 0.4369, 0.3378



40.5264, 0.2357, 0.3686



40.5264, 0.3232, 0.2512

Square

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



40.5264, 0.2357, 0.3686



40.5264, 0.2153, 0.2278



40.5264, 0.3906, 0.2896



40.5264, 0.4130, 0.4321

Rectangle

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



40.5264, 0.2357, 0.3686



40.5264, 0.1950, 0.2643



40.5264, 0.3906, 0.2896



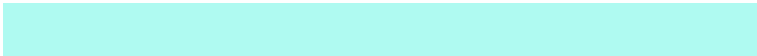
40.5264, 0.4463, 0.3717

Sweetspot

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



40.5302, 0.2357, 0.3686



83.7377, 0.2740, 0.3393



37.9172, 0.3035, 0.5972



17.6985, 0.2693, 0.3409



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



40.5302, 0.2357, 0.3686



73.4059, 0.2359, 0.3693



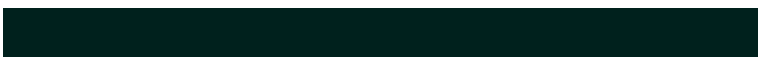
17.6284, 0.1900, 0.2039



11.4061, 0.3001, 0.3319



27.2779, 0.2356, 0.3681



1.1848, 0.2329, 0.3584

Inverse Universe

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



11.2734, 0.6247, 0.3215



20.4057, 0.6271, 0.3228



15.6384, 0.5793, 0.3782



10.0979, 0.3270, 0.3261



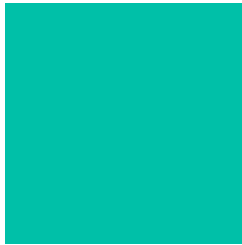
7.5915, 0.6226, 0.3203



0.3349, 0.5750, 0.2941

Previews

White Background



This preview shows how the Yxy color 40.5264, 0.2357, 0.3686 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 40.5264, 0.2357, 0.3686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

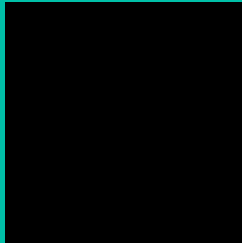
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.5264, 0.2357, 0.3686

Background



This preview shows how black text looks on a background with the Yxy color 40.5264, 0.2357, 0.3686.

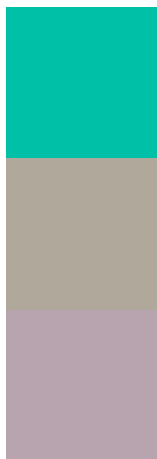


This preview shows how white text looks on a background with the Yxy color 40.5264, 0.2357, 0.3686.

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

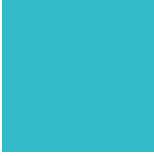
40.5264, 0.2357, 0.3686

Protanopia

39.9726, 0.3314, 0.3485

Deuteranopia

39.7973, 0.3227, 0.3157



Tritanopia

40.5087, 0.2250, 0.3059

Trichromacy



Original Color

40.5264, 0.2357, 0.3686



Protanomaly

37.4271, 0.2734, 0.3560



Deuteranomaly

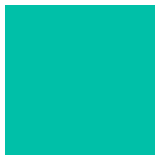
37.0326, 0.2682, 0.3320



Tritanomaly

40.4200, 0.2273, 0.3272

Monochromacy



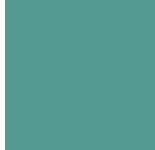
Original Color

40.5264, 0.2357, 0.3686



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

27.0404, 0.2596, 0.3453

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5264, 0.2357, 0.3686 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(0, 192, 168)` looks like.

```
.text, #text, p{  
    color:rgb(0, 192, 168)  
}
```

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(0, 192, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 192, 168) }
```

Border

The CSS property to change the border of an element to Yxy 40.5264, 0.2357, 0.3686 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(0, 192, 168) }
```

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

```
.border{ border-color:rgb(0, 192, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 192, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 192, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 192, 168);  
box-shadow:4px 4px 4px 4px rgb(0, 192,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5264, 0.2357, 0.3686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 192, 168) }
```

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

```
.background{ background-color: rgb(0, 192,  
168) }
```

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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