

Converting Colors

$Y_{xy}(46.5559, 0.2343, 0.3633)$

Have a look what the booklet for
Yxy(46.5559, 0.2343, 0.3633)
contains.

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Color

Yxy(46.5696, 0.2342, 0.3630)

Conversions

Conversions Part 1

Format	Color
Hex	00CCB6
RGB	0, 204, 182
RGB Percent	0%, 80%, 71%
CMY	0.9982, 0.2000, 0.2862
CMYK	1.00, 0.00, 0.11, 0.20
HSL	174°, 100%, 40%
HSV	174°, 100%, 80%
XYZ	30.0457, 46.5696, 51.6756
YIQ	140.4960, -114.5220, -50.0900

Conversions

Conversions Part 2

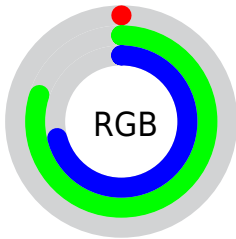
Format	Color
RYB	0, 108, 204
Decimal	52406
CIELab	73.91, -46.95, -0.98
CIELCh	74, 46.964, 181.197
Yxy	46.5696, 0.2342, 0.3630
Android (android.graphics.Color)	4278242486 (0xFF00CCB6)
YUV	140.4960, 20.4615, -123.2150
Hunter-Lab	68.2419, -40.8329, 2.8725

Details

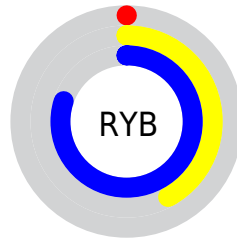
The Yxy color **46.5696, 0.2342, 0.3630** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **12.9082, 0.6277, 0.3234**, and the grayscale version is **26.4406, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6361, 0.2463, 0.3491**, and **23.0799, 0.2363, 0.3708** is the 20% darker color. If you saturate the color by 10%, you get **46.5663, 0.2342, 0.3631**, and if you desaturate by 10%, it is **46.8181, 0.2347, 0.3593**.

Distribution



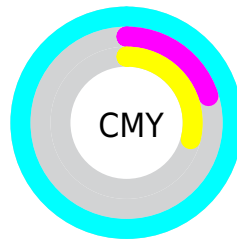
- Red (0%)
- Green (80%)
- Blue (71%)



- Red (0%)
- Yellow (42%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (11%)
- Black (20%)




- Cyan (100%)
- Magenta (20%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.5696, 0.2342, 0.3630 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 46.5696, 0.2342, 0.3630 by changing the saturation by 10% instead.


 46.5696, 0.2342,
0.3630


 46.5696, 0.2342,
0.3630


373.0939, 0.2729,
0.3463


 32.6955, 0.2248,
0.3670


 85.0708, 0.2481,
0.3570


 21.8933, 0.2128,
0.3721


 110.4668, 0.2534,
0.3548


 13.7785, 0.1971,
0.3787


 140.4721, 0.2579,
0.3528

 7.9668, 0.1760,
0.3875

 175.4713, 0.2617,
0.3512

 4.0737, 0.1460,
0.3998

 215.8486, 0.2651,
0.3497

 1.7149, 0.0793,
0.4278

261.9886, 0.2680,

 0.4333, 0.0000,

0.3485

0.4450

314.2756, 0.2706,
0.3473

■ 0.0000, 0.0000,
0.0000

■ 46.5696, 0.2342,
0.3630

■ 46.5696, 0.2342,
0.3630

■ 46.5663, 0.2342,
0.3631

■ 46.8181, 0.2347,
0.3593

■ 47.2303, 0.2366,
0.3556

■ 47.8615, 0.2405,
0.3519

■ 48.7411, 0.2462,
0.3482

■ 49.8940, 0.2538,
0.3445

■ 51.3421, 0.2632,
0.3410

■ 53.1051, 0.2740,
0.3377

■ 55.2009, 0.2862,
0.3345

■ 57.6460, 0.2993,
0.3316

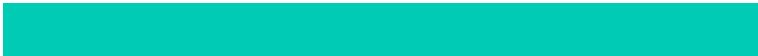
Harmonies

Analogous

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



46.5696, 0.2880, 0.4243



46.5696, 0.2342, 0.3630



46.5696, 0.2031, 0.2967

Triad

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



46.5696, 0.2342, 0.3630



46.5696, 0.2644, 0.2318



46.5696, 0.4405, 0.3909

Complementary

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



46.5696, 0.2342, 0.3630



12.9082, 0.6277, 0.3234

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.



46.5696, 0.4361, 0.3413



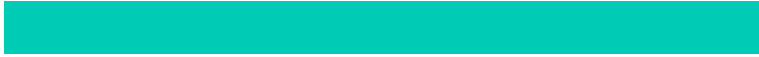
46.5696, 0.2342, 0.3630



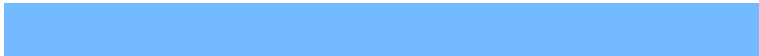
46.5696, 0.3278, 0.2548

Square

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



46.5696, 0.2342, 0.3630



46.5696, 0.2194, 0.2291



46.5696, 0.3931, 0.2934



46.5696, 0.4080, 0.4325

Rectangle

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



46.5696, 0.2342, 0.3630



46.5696, 0.1970, 0.2627



46.5696, 0.3931, 0.2934



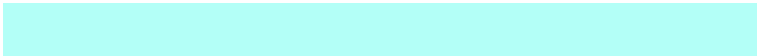
46.5696, 0.4435, 0.3746

Sweetspot

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



46.5714, 0.2342, 0.3630



87.7435, 0.2733, 0.3379



43.3876, 0.3028, 0.5977



18.5028, 0.2685, 0.3393



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.



46.5714, 0.2342, 0.3630



77.0917, 0.2343, 0.3636



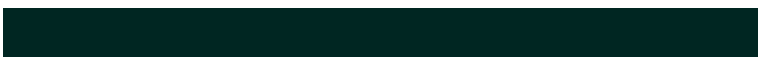
19.2800, 0.1883, 0.1977



12.7054, 0.2998, 0.3315



29.3150, 0.2341, 0.3626



1.5185, 0.2320, 0.3553

Inverse Universe

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



12.9082, 0.6277, 0.3234



21.3416, 0.6299, 0.3244



18.3578, 0.5749, 0.3815



11.2330, 0.3273, 0.3265



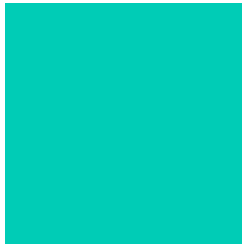
8.1233, 0.6260, 0.3222



0.4259, 0.5878, 0.3012

Previews

White Background



This preview shows how the Yxy color 46.5696, 0.2342, 0.3630 looks on a white background.

Color Contrast Check

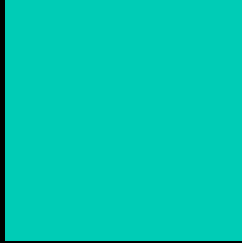
Large Text (above 18pt) WCAG AA × Fail

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 46.5696, 0.2342, 0.3630 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

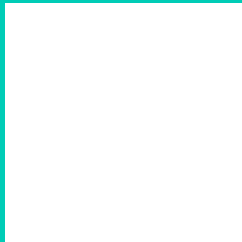
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.5696, 0.2342, 0.3630

Background



This preview shows how black text looks on a background with the Yxy color 46.5696, 0.2342, 0.3630.

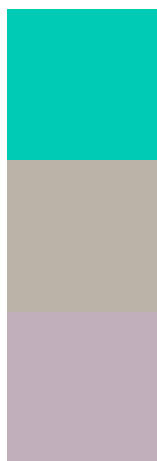


This preview shows how white text looks on a background with the Yxy color 46.5696, 0.2342, 0.3630.

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

46.5631, 0.2342, 0.3630

Protanopia

45.9088, 0.3277, 0.3448

Deuteranopia

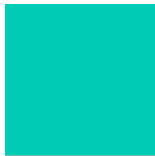
45.7601, 0.3188, 0.3126



Tritanopia

46.5100, 0.2245, 0.3057

Trichromacy



Original Color

46.5631, 0.2342, 0.3630



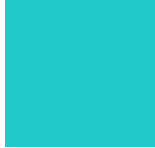
Protanomaly

43.3343, 0.2715, 0.3528



Deuteranomaly

42.9481, 0.2660, 0.3289



Tritanomaly

46.4252, 0.2268, 0.3258

Monochromacy



Original Color

46.5631, 0.2342, 0.3630



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

31.1249, 0.2586, 0.3426

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.5696, 0.2342, 0.3630 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, 204, 182)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 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(0, 204, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 182) }
```

Border

The CSS property to change the border of an element to Yxy 46.5696, 0.2342, 0.3630 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, 204, 182) }
```

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

```
.border{ border-color:rgb(0, 204, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 204, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 182);  
box-shadow:4px 4px 4px 4px rgb(0, 204,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 46.5696, 0.2342, 0.3630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 204, 182) }
```

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

```
.background{ background-color: rgb(0, 204,  
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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