

Converting Colors

$Y_{xy}(42.3595, 0.1950, 0.3743)$

Have a look what the booklet for
Yxy(42.3595, 0.1950, 0.3743)
contains.

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Color

Yxy(46.3601, 0.2365, 0.3712)

Conversions

Conversions Part 1

Format	Color
Hex	01CCB1
RGB	1, 204, 177
RGB Percent	0%, 80%, 69%
CMY	0.9969, 0.2000, 0.3058
CMYK	1.00, 0.00, 0.13, 0.20
HSL	172°, 99%, 40%
HSV	172°, 100%, 80%
XYZ	29.5371, 46.3601, 48.9953
YIQ	140.2250, -112.3210, -51.4330

Conversions

Conversions Part 2

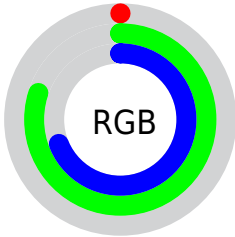
Format	Color
RYB	1, 110, 204
Decimal	117937
CIELab	73.78, -48.30, 1.53
CIELCh	74, 48.329, 178.185
Yxy	46.3601, 0.2365, 0.3712
Android (android.graphics.Color)	4278308017 (0xFF01CCB1)
YUV	140.2250, 18.1301, -122.1003
Hunter-Lab	68.0883, -41.7201, 4.9975

Details

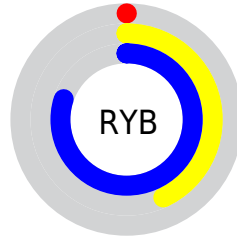
The Yxy color **46.3601, 0.2365, 0.3712** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **12.9361, 0.6231, 0.3209**, and the grayscale version is **26.2515, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.3462, 0.2484, 0.3553**, and **22.9756, 0.2388, 0.3798** is the 20% darker color. If you saturate the color by 10%, you get **46.3526, 0.2365, 0.3714**, and if you desaturate by 10%, it is **46.6274, 0.2368, 0.3666**.

Distribution



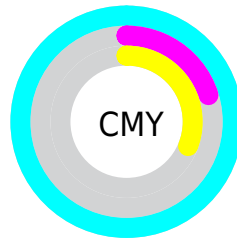
- Red (0%)
- Green (80%)
- Blue (69%)



- Red (0%)
- Yellow (43%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (13%)
- Black (20%)





- Cyan (100%)
- Magenta (20%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.3601, 0.2365, 0.3712 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 46.3601, 0.2365, 0.3712 by changing the saturation by 10% instead.

 46.3601, 0.2365,
0.3712


 46.3601, 0.2365,
0.3712


372.2545, 0.2743,
0.3501

 32.5301, 0.2272,
0.3764


 84.7577, 0.2501,
0.3635


 21.7667, 0.2154,
0.3832


 110.0940, 0.2553,
0.3607


 13.6856, 0.1999,
0.3920


 140.0345, 0.2597,
0.3582

 7.9023, 0.1788,
0.4042

 174.9637, 0.2634,
0.3561

 4.0325, 0.1486,
0.4220

 215.2659, 0.2667,
0.3543

 1.6918, 0.0743,
0.4642

261.3255, 0.2696,

 0.4183, 0.0000,

0.3527

0.5456

313.5269, 0.2721,
0.3513

■ 0.0000, 0.0000,
0.0000

■ 46.3601, 0.2365,
0.3712

■ 46.3601, 0.2365,
0.3712

■ 46.3526, 0.2365,
0.3714

■ 46.6274, 0.2368,
0.3666

■ 47.0607, 0.2386,
0.3620

■ 47.7143, 0.2422,
0.3573

■ 48.6174, 0.2478,
0.3527

■ 49.7949, 0.2553,
0.3481

■ 51.2686, 0.2645,
0.3438

■ 53.0581, 0.2751,
0.3396

■ 55.1814, 0.2870,
0.3357

■ 57.6550, 0.2998,
0.3322

Harmonies

Analogous

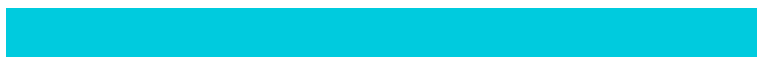
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.3601, 0.2934, 0.4322



46.3601, 0.2365, 0.3712



46.3601, 0.2021, 0.3017

Triad

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



46.3601, 0.2365, 0.3712



46.3601, 0.2573, 0.2280



46.3601, 0.4456, 0.3872

Complementary

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



46.3601, 0.2365, 0.3712



12.9361, 0.6231, 0.3209

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.



46.3601, 0.4371, 0.3362



46.3601, 0.2365, 0.3712



46.3601, 0.3211, 0.2496

Square

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



46.3601, 0.2365, 0.3712



46.3601, 0.2135, 0.2273



46.3601, 0.3894, 0.2878



46.3601, 0.4152, 0.4317

Rectangle

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



46.3601, 0.2365, 0.3712



46.3601, 0.1941, 0.2651



46.3601, 0.3894, 0.2878



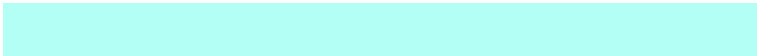
46.3601, 0.4475, 0.3704

Sweetspot

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



46.3619, 0.2365, 0.3712



87.6274, 0.2742, 0.3399



43.4287, 0.3034, 0.5970



18.4747, 0.2696, 0.3417



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.



46.3619, 0.2365, 0.3712



76.7485, 0.2367, 0.3720



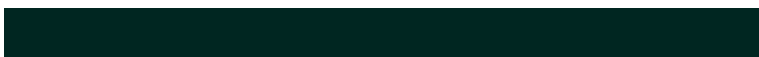
20.1929, 0.1900, 0.2039



12.7004, 0.3001, 0.3321



29.1875, 0.2363, 0.3707



1.5130, 0.2338, 0.3617

Inverse Universe

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



12.9361, 0.6231, 0.3209



21.3746, 0.6260, 0.3222



17.9107, 0.5791, 0.3780



11.2375, 0.3269, 0.3260



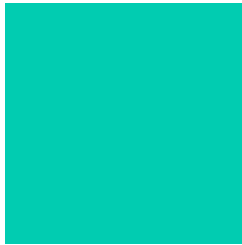
8.1379, 0.6215, 0.3197



0.4280, 0.5773, 0.2954

Previews

White Background



This preview shows how the Yxy color 46.3601, 0.2365, 0.3712 looks on a white background.

Color Contrast Check

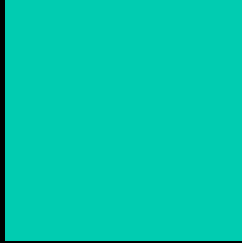
Large Text (above 18pt) WCAG AA × Fail

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 46.3601, 0.2365, 0.3712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

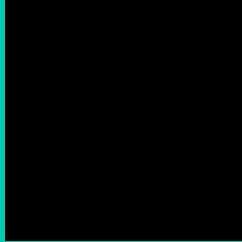
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

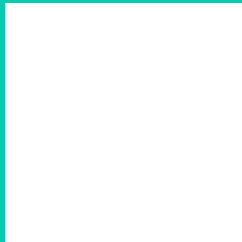
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.3601, 0.2365, 0.3712

Background



This preview shows how black text looks on a background with the Yxy color 46.3601, 0.2365, 0.3712.



This preview shows how white text looks on a background with the Yxy color 46.3601, 0.2365, 0.3712.

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

46.3665, 0.2365, 0.3712

Protanopia

45.4853, 0.3321, 0.3488

Deuteranopia

45.4686, 0.3240, 0.3164



Tritanopia

46.5654, 0.2250, 0.3057

Trichromacy



Original Color

46.3665, 0.2365, 0.3712



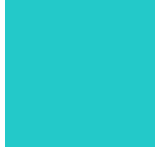
Protanomaly

42.7530, 0.2739, 0.3576



Deuteranomaly

42.3941, 0.2696, 0.3348



Tritanomaly

46.3477, 0.2278, 0.3288

Monochromacy



Original Color

46.3665, 0.2365, 0.3712



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

30.6181, 0.2597, 0.3463

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3601, 0.2365, 0.3712 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(1, 204, 177)` looks like.

```
.text, #text, p{  
    color:rgb(1, 204, 177)  
}
```

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(1, 204, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 204, 177) }
```

Border

The CSS property to change the border of an element to Yxy 46.3601, 0.2365, 0.3712 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(1, 204, 177) }
```

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

```
.border{ border-color:rgb(1, 204, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 204, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 204, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 204, 177);  
box-shadow:4px 4px 4px 4px rgb(1, 204,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3601, 0.2365, 0.3712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 204, 177) }
```

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

```
.background{ background-color: rgb(1, 204,  
177) }
```

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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