

Converting Colors

$Y_{xy}(46.4160, 0.2382, 0.3695)$

Have a look what the booklet for
Yxy(46.4160, 0.2382, 0.3695)
contains.

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Color

Yxy(46.6197, 0.2381, 0.3694)

Conversions

Conversions Part 1

Format	Color
Hex	1ACCB2
RGB	26, 204, 178
RGB Percent	10%, 80%, 70%
CMY	0.8992, 0.2000, 0.3019
CMYK	0.87, 0.00, 0.13, 0.20
HSL	171°, 78%, 45%
HSV	171°, 87%, 80%
XYZ	30.0491, 46.6197, 49.5350
YIQ	147.8140, -97.7420, -45.8220

Conversions

Conversions Part 2

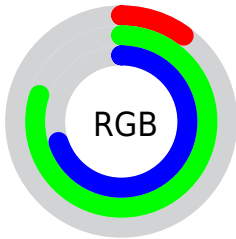
Format	Color
RYB	26, 122, 204
Decimal	1756338
CIELab	73.95, -47.08, 1.26
CIELCh	74, 47.096, 178.469
Yxy	46.6197, 0.2381, 0.3694
Android (android.graphics.Color)	4279946418 (0xFF1ACCB2)
YUV	147.8140, 14.8817, -106.8309
Hunter-Lab	68.2786, -40.9305, 4.7811

Details

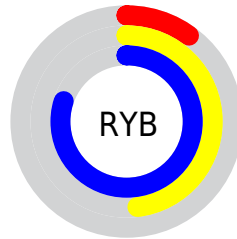
The Yxy color **46.6197, 0.2381, 0.3694** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle washed spring green. A complement of this color would be **13.8105, 0.5854, 0.3124**, and the grayscale version is **29.4653, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7117, 0.2496, 0.3539**, and **22.9756, 0.2388, 0.3798** is the 20% darker color. If you saturate the color by 10%, you get **46.3217, 0.2377, 0.3745**, and if you desaturate by 10%, it is **47.1100, 0.2402, 0.3642**.

Distribution



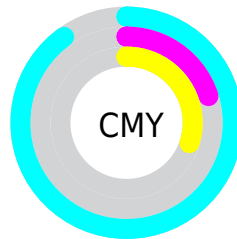
- Red (10%)
- Green (80%)
- Blue (70%)



- Red (10%)
- Yellow (48%)
- Blue (80%)



- Cyan (87%)
- Magenta (0%)
- Yellow (13%)
- Black (20%)





- Cyan (90%)
- Magenta (20%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.6197, 0.2381, 0.3694 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 46.6197, 0.2381, 0.3694 by changing the saturation by 10% instead.


 46.6197, 0.2381,
0.3694


 46.6197, 0.2381,
0.3694

373.2945, 0.2751,
0.3492

 32.7351, 0.2290,
0.3744


 85.1457, 0.2514,
0.3621


 21.9236, 0.2175,
0.3808


 110.5559, 0.2565,
0.3593


 13.8008, 0.2023,
0.3892


 140.5767, 0.2608,
0.3570

 7.9822, 0.1817,
0.4008

 175.5926, 0.2644,
0.3550

 4.0836, 0.1522,
0.4176

 215.9879, 0.2676,
0.3533

 1.7204, 0.0842,
0.4554

262.1471, 0.2704,

 0.4368, 0.0000,

0.3518

0.5298

314.4545, 0.2729,
0.3504

■ 0.0000, 0.0000,
0.0000

■ 46.6197, 0.2381,
0.3694

■ 46.6197, 0.2381,
0.3694

■ 46.3217, 0.2377,
0.3745

■ 47.1100, 0.2402,
0.3642

■ 46.2570, 0.2377,
0.3758

■ 47.8262, 0.2442,
0.3591

■ 48.7983, 0.2501,
0.3540

■ 50.0503, 0.2579,
0.3490

■ 51.6036, 0.2673,
0.3442

■ 53.4773, 0.2781,
0.3397

■ 55.6891, 0.2901,
0.3355

■ 58.2553, 0.3029,
0.3316

■ 61.1911, 0.3162,
0.3281

Harmonies

Analogous

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



46.6197, 0.2935, 0.4287



46.6197, 0.2381, 0.3694



46.6197, 0.2046, 0.3020

Triad

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



46.6197, 0.2381, 0.3694



46.6197, 0.2593, 0.2304



46.6197, 0.4420, 0.3866

Complementary

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



46.6197, 0.2381, 0.3694



13.8105, 0.5854, 0.3124

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.



46.6197, 0.4339, 0.3367



46.6197, 0.2381, 0.3694



46.6197, 0.3216, 0.2518

Square

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



46.6197, 0.2381, 0.3694



46.6197, 0.2162, 0.2297



46.6197, 0.3879, 0.2893



46.6197, 0.4124, 0.4296

Rectangle

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



46.6197, 0.2381, 0.3694



46.6197, 0.1969, 0.2665



46.6197, 0.3879, 0.2893



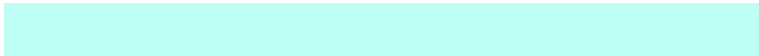
46.6197, 0.4439, 0.3702

Sweetspot

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



46.6215, 0.2381, 0.3694



88.9132, 0.2793, 0.3393



44.0067, 0.3077, 0.5832



18.7803, 0.2753, 0.3408



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.



46.6215, 0.2381, 0.3694



76.5717, 0.2379, 0.3765



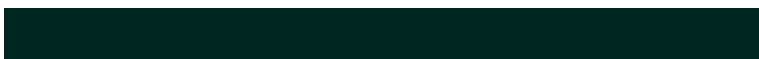
23.8052, 0.1987, 0.2259



12.6978, 0.3003, 0.3324



29.1218, 0.2375, 0.3751



1.5102, 0.2348, 0.3651

Inverse Universe

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



13.8105, 0.5854, 0.3124



21.3948, 0.6236, 0.3209



19.9110, 0.5519, 0.3844



11.2399, 0.3267, 0.3256



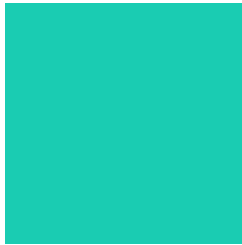
8.1467, 0.6188, 0.3182



0.4291, 0.5720, 0.2925

Previews

White Background



This preview shows how the Yxy color 46.6197, 0.2381, 0.3694 looks on a white background.

Color Contrast Check

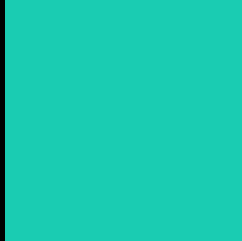
Large Text (above 18pt) WCAG AA × Fail

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 46.6197, 0.2381, 0.3694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

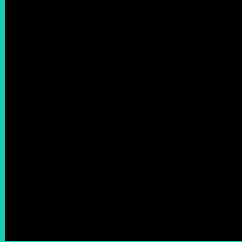
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

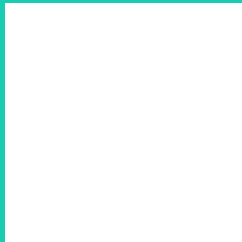
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.6197, 0.2381, 0.3694

Background



This preview shows how black text looks on a background with the Yxy color 46.6197, 0.2381, 0.3694.

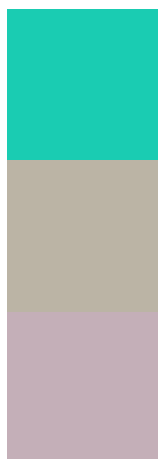


This preview shows how white text looks on a background with the Yxy color 46.6197, 0.2381, 0.3694.

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

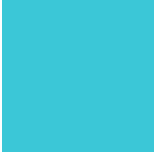
46.6197, 0.2381, 0.3694

Protanopia

45.9239, 0.3311, 0.3487

Deuteranopia

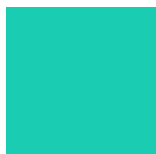
45.8564, 0.3239, 0.3177



Tritanopia

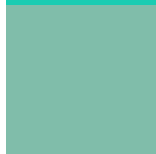
46.6830, 0.2259, 0.3058

Trichromacy



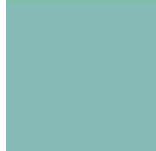
Original Color

46.6197, 0.2381, 0.3694



Protanomaly

43.8867, 0.2795, 0.3570



Deuteranomaly

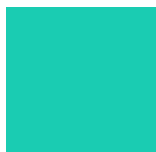
43.5635, 0.2753, 0.3347



Tritanomaly

46.6419, 0.2296, 0.3273

Monochromacy



Original Color

46.6197, 0.2381, 0.3694



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

33.4515, 0.2669, 0.3438

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6197, 0.2381, 0.3694 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(26, 204, 178)` looks like.

```
.text, #text, p{  
    color:rgb(26, 204, 178)  
}
```

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(26, 204, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 204, 178) }
```

Border

The CSS property to change the border of an element to Yxy 46.6197, 0.2381, 0.3694 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(26, 204, 178) }
```

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

```
.border{ border-color:rgb(26, 204, 178) }
```

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

Here you see how a box with a 4 pixel rgb(26, 204, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 204, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 204, 178);  
box-shadow:4px 4px 4px 4px rgb(26, 204,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6197, 0.2381, 0.3694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 204, 178) }
```

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

```
.background{ background-color: rgb(26, 204,  
178) }
```

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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