

Converting Colors

$Y_{xy}(46.3801, 0.2396, 0.3772)$

Have a look what the booklet for
Yxy(46.3801, 0.2396, 0.3772)
contains.

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Color

Yxy(46.3516, 0.2398, 0.3777)

Conversions

Conversions Part 1

Format	Color
Hex	14CCAD
RGB	20, 204, 173
RGB Percent	8%, 80%, 68%
CMY	0.9208, 0.2000, 0.3215
CMYK	0.90, 0.00, 0.15, 0.20
HSL	170°, 82%, 44%
HSV	170°, 90%, 80%
XYZ	29.4284, 46.3516, 46.9407
YIQ	145.4500, -99.7130, -48.6490

Conversions

Conversions Part 2

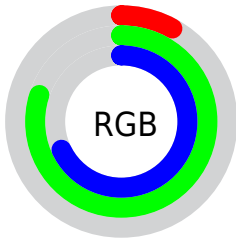
Format	Color
RYB	20, 120, 204
Decimal	1363117
CIELab	73.77, -48.70, 3.69
CIELCh	74, 48.836, 175.661
Yxy	46.3516, 0.2398, 0.3777
Android (android.graphics.Color)	4279553197 (0xFF14CCAD)
YUV	145.4500, 13.5822, -110.0196
Hunter-Lab	68.0820, -41.9870, 6.7786

Details

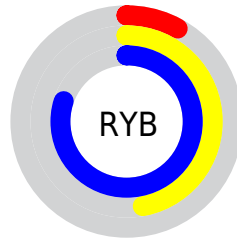
The Yxy color **46.3516, 0.2398, 0.3777** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **13.5850, 0.5886, 0.3105**, and the grayscale version is **28.5079, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.2472, 0.2515, 0.3614**, and **22.8754, 0.2413, 0.3888** is the 20% darker color. If you saturate the color by 10%, you get **46.0724, 0.2399, 0.3836**, and if you desaturate by 10%, it is **46.8006, 0.2412, 0.3717**.

Distribution



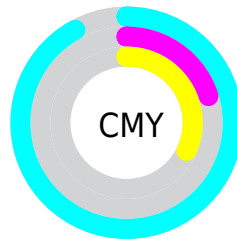
- Red (8%)
- Green (80%)
- Blue (68%)



- Red (8%)
- Yellow (47%)
- Blue (80%)



- Cyan (90%)
- Magenta (0%)
- Yellow (15%)
- Black (20%)





- Cyan (92%)
- Magenta (20%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.3516, 0.2398, 0.3777 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 46.3516, 0.2398, 0.3777 by changing the saturation by 10% instead.


 46.3516, 0.2398,
0.3777

 46.3516, 0.2398,
0.3777

372.2204, 0.2762,
0.3530


 32.5234, 0.2308,
0.3839


 84.7450, 0.2530,
0.3687


 21.7616, 0.2193,
0.3920


 110.0789, 0.2579,
0.3653

 13.6818, 0.2042,
0.4028


 140.0168, 0.2621,
0.3625

 7.8997, 0.1835,
0.4178

 174.9431, 0.2657,
0.3600

 4.0308, 0.1536,
0.4403

 215.2422, 0.2689,
0.3579

 1.6908, 0.0761,
0.4940

261.2986, 0.2716,

 0.4177, 0.0000,

0.3561

0.6801

313.4965, 0.2740,
0.3545

■ 0.0000, 0.0000,
0.0000

■ 46.3516, 0.2398,
0.3777

■ 46.3516, 0.2398,
0.3777

■ 46.0724, 0.2399,
0.3836

■ 46.8006, 0.2412,
0.3717

■ 47.4678, 0.2445,
0.3656

■ 48.3845, 0.2498,
0.3596

■ 49.5758, 0.2569,
0.3538

■ 51.0637, 0.2657,
0.3482

■ 52.8678, 0.2759,
0.3428

■ 55.0062, 0.2873,
0.3378

■ 57.4955, 0.2997,
0.3332

■ 60.3513, 0.3126,
0.3290

Harmonies

Analogous

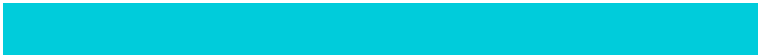
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.3516, 0.2986, 0.4371



46.3516, 0.2398, 0.3777



46.3516, 0.2029, 0.3067

Triad

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



46.3516, 0.2398, 0.3777



46.3516, 0.2521, 0.2261



46.3516, 0.4479, 0.3834

Complementary

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



46.3516, 0.2398, 0.3777



13.5850, 0.5886, 0.3105

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.



46.3516, 0.4357, 0.3318



46.3516, 0.2398, 0.3777



46.3516, 0.3152, 0.2463

Square

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



46.3516, 0.2398, 0.3777



46.3516, 0.2100, 0.2274



46.3516, 0.3848, 0.2837



46.3516, 0.4200, 0.4295

Rectangle

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



46.3516, 0.2398, 0.3777



46.3516, 0.1934, 0.2684



46.3516, 0.3848, 0.2837



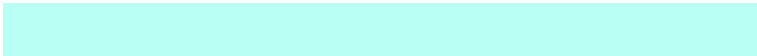
46.3516, 0.4486, 0.3663

Sweetspot

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



46.3534, 0.2398, 0.3777



88.4729, 0.2789, 0.3414



44.0172, 0.3090, 0.5854



18.6913, 0.2751, 0.3432



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.



46.3534, 0.2398, 0.3777



76.2746, 0.2401, 0.3844



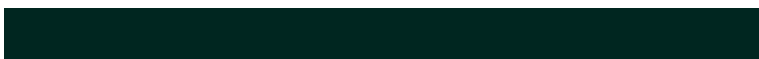
25.0050, 0.1999, 0.2331



12.6933, 0.3006, 0.3329



29.0113, 0.2397, 0.3828



1.5055, 0.2364, 0.3711

Inverse Universe

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



13.5850, 0.5886, 0.3105



21.4342, 0.6189, 0.3183



18.3944, 0.5677, 0.3759



11.2440, 0.3264, 0.3251



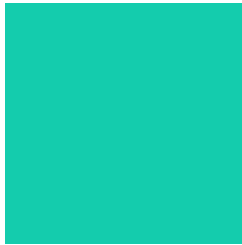
8.1635, 0.6137, 0.3154



0.4310, 0.5631, 0.2876

Previews

White Background



This preview shows how the Yxy color 46.3516, 0.2398, 0.3777 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 46.3516, 0.2398, 0.3777 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

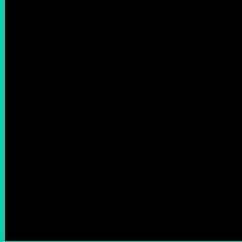
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

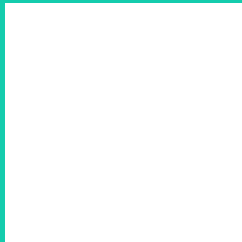
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.3516, 0.2398, 0.3777

Background



This preview shows how black text looks on a background with the Yxy color 46.3516, 0.2398, 0.3777.

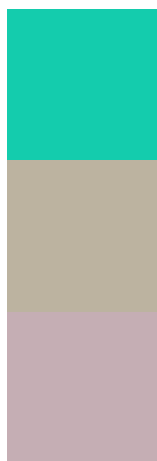


This preview shows how white text looks on a background with the Yxy color 46.3516, 0.2398, 0.3777.

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

46.3516, 0.2398, 0.3777

Protanopia

45.4696, 0.3364, 0.3540

Deuteranopia

45.4377, 0.3283, 0.3215



Tritanopia

46.2039, 0.2263, 0.3057

Trichromacy



Original Color

46.3516, 0.2398, 0.3777



Protanomaly

43.1951, 0.2820, 0.3633



Deuteranomaly

42.8588, 0.2778, 0.3406



Tritanomaly

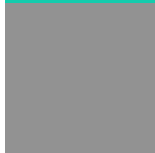
46.0129, 0.2303, 0.3303

Monochromacy



Original Color

46.3516, 0.2398, 0.3777



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

32.7471, 0.2660, 0.3474

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3516, 0.2398, 0.3777 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(20, 204, 173)` looks like.

```
.text, #text, p{  
    color:rgb(20, 204, 173)  
}
```

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(20, 204, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 204, 173) }
```

Border

The CSS property to change the border of an element to Yxy 46.3516, 0.2398, 0.3777 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(20, 204, 173) }
```

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

```
.border{ border-color:rgb(20, 204, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 204, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 204, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 204, 173);  
box-shadow:4px 4px 4px 4px rgb(20, 204,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3516, 0.2398, 0.3777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 204, 173) }
```

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

```
.background{ background-color: rgb(20, 204,  
173) }
```

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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