

Converting Colors

$Y_{xy}(46.5747, 0.2403, 0.3817)$

Have a look what the booklet for
Yxy(46.5747, 0.2403, 0.3817)
contains.

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Color

Yxy(46.6963, 0.2406, 0.3826)

Conversions

Conversions Part 1

Format	Color
Hex	0ECDAB
RGB	14, 205, 171
RGB Percent	5%, 80%, 67%
CMY	0.9440, 0.1961, 0.3294
CMYK	0.93, 0.00, 0.17, 0.20
HSL	169°, 87%, 43%
HSV	169°, 93%, 80%
XYZ	29.3652, 46.6963, 45.9884
YIQ	144.0150, -102.9220, -51.0660

Conversions

Conversions Part 2

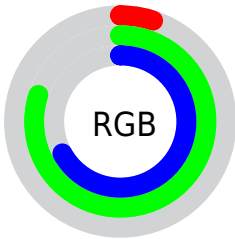
Format	Color
RYB	14, 119, 205
Decimal	970155
CIELab	74.00, -49.90, 5.11
CIElCh	74, 50.156, 174.157
Yxy	46.6963, 0.2406, 0.3826
Android (android.graphics.Color)	4279160235 (0xFF0ECDAB)
YUV	144.0150, 13.3036, -114.0232
Hunter-Lab	68.3347, -42.8796, 7.9328

Details

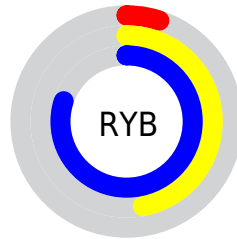
The Yxy color **46.6963, 0.2406, 0.3826** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **13.5164, 0.5953, 0.3110**, and the grayscale version is **27.9069, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.0752, 0.2520, 0.3640**, and **23.1446, 0.2431, 0.3953** is the 20% darker color. If you saturate the color by 10%, you get **46.5064, 0.2408, 0.3870**, and if you desaturate by 10%, it is **47.0973, 0.2414, 0.3762**.

Distribution



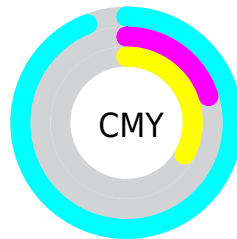
- Red (5%)
- Green (80%)
- Blue (67%)



- Red (5%)
- Yellow (47%)
- Blue (80%)



- Cyan (93%)
- Magenta (0%)
- Yellow (17%)
- Black (20%)




- Cyan (94%)
- Magenta (20%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.6963, 0.2406, 0.3826 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 46.6963, 0.2406, 0.3826 by changing the saturation by 10% instead.


 46.6963, 0.2406,
0.3826


 46.6963, 0.2406,
0.3826


373.6010, 0.2766,
0.3553

 32.7956, 0.2317,
0.3896


 85.2601, 0.2537,
0.3726

 21.9699, 0.2202,
0.3986


 110.6921, 0.2586,
0.3688

 13.8348, 0.2052,
0.4107


 140.7365, 0.2627,
0.3657

 8.0059, 0.1845,
0.4277

 175.7780, 0.2663,
0.3630

 4.0987, 0.1546,
0.4534

 216.2007, 0.2694,
0.3607

 1.7289, 0.0757,
0.5143

262.3892, 0.2721,

 0.4423, 0.0000,

0.3587

0.7802

314.7278, 0.2745,
0.3569

■ 0.0000, 0.0000,
0.0000

■ 46.6963, 0.2406,
0.3826

■ 46.6963, 0.2406,
0.3826

■ 46.5064, 0.2408,
0.3870

■ 47.0973, 0.2414,
0.3762

■ 47.7091, 0.2440,
0.3698

■ 48.5655, 0.2486,
0.3634

■ 49.6930, 0.2551,
0.3571

■ 51.1147, 0.2634,
0.3510

■ 52.8510, 0.2731,
0.3453

■ 54.9208, 0.2842,
0.3399

■ 57.3411, 0.2961,
0.3349

■ 60.1282, 0.3088,
0.3303

Harmonies

Analogous

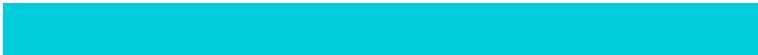
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.6963, 0.3014, 0.4421



46.6963, 0.2406, 0.3826



46.6963, 0.2017, 0.3093

Triad

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



46.6963, 0.2406, 0.3826



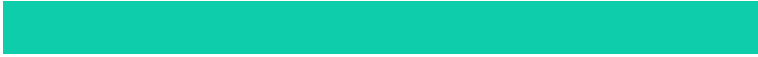
46.6963, 0.2480, 0.2235



46.6963, 0.4514, 0.3816

Complementary

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



46.6963, 0.2406, 0.3826



13.5164, 0.5953, 0.3110

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.



46.6963, 0.4370, 0.3290



46.6963, 0.2406, 0.3826



46.6963, 0.3116, 0.2431

Square

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



46.6963, 0.2406, 0.3826



46.6963, 0.2063, 0.2259



46.6963, 0.3831, 0.2804



46.6963, 0.4245, 0.4295

Rectangle

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



46.6963, 0.2406, 0.3826



46.6963, 0.1912, 0.2694



46.6963, 0.3831, 0.2804



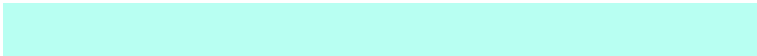
46.6963, 0.4515, 0.3641

Sweetspot

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



46.6981, 0.2406, 0.3826



88.0880, 0.2782, 0.3427



44.3540, 0.3079, 0.5890



18.5505, 0.2735, 0.3451



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.



46.6981, 0.2406, 0.3826



76.1498, 0.2411, 0.3878



24.6332, 0.1982, 0.2296



12.6914, 0.3007, 0.3332



28.9647, 0.2406, 0.3861



1.5035, 0.2371, 0.3737

Inverse Universe

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



13.5164, 0.5953, 0.3110



21.4531, 0.6168, 0.3171



17.9992, 0.5759, 0.3735



11.2458, 0.3262, 0.3249



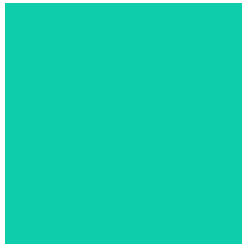
8.1715, 0.6114, 0.3141



0.4318, 0.5594, 0.2855

Previews

White Background



This preview shows how the Yxy color 46.6963, 0.2406, 0.3826 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 46.6963, 0.2406, 0.3826 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

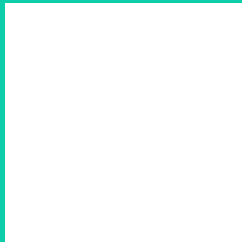
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.6963, 0.2406, 0.3826

Background



This preview shows how black text looks on a background with the Yxy color 46.6963, 0.2406, 0.3826.



This preview shows how white text looks on a background with the Yxy color 46.6963, 0.2406, 0.3826.

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

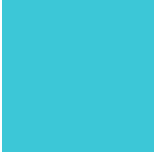
46.6963, 0.2406, 0.3826

Protanopia

45.9300, 0.3388, 0.3579

Deuteranopia

46.0164, 0.3317, 0.3253



Tritanopia

46.7138, 0.2262, 0.3058

Trichromacy



Original Color

46.6963, 0.2406, 0.3826



Protanomaly

43.3995, 0.2821, 0.3680



Deuteranomaly

43.1185, 0.2786, 0.3450



Tritanomaly

46.4104, 0.2301, 0.3317

Monochromacy



Original Color

46.6963, 0.2406, 0.3826



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

32.1469, 0.2651, 0.3493

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6963, 0.2406, 0.3826 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(14, 205, 171)` looks like.

```
.text, #text, p{  
    color:rgb(14, 205, 171)  
}
```

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(14, 205, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 205, 171) }
```

Border

The CSS property to change the border of an element to Yxy 46.6963, 0.2406, 0.3826 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(14, 205, 171) }
```

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

```
.border{ border-color:rgb(14, 205, 171) }
```

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

Here you see how a box with a 4 pixel rgb(14, 205, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 205, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 205, 171);  
box-shadow:4px 4px 4px 4px rgb(14, 205,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6963, 0.2406, 0.3826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 205, 171) }
```

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

```
.background{ background-color: rgb(14, 205,  
171) }
```

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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