

Converting Colors

Yxy(48.2605, 0.2498, 0.4121)

Have a look what the booklet for
Yxy(48.2605, 0.2498, 0.4121)
contains.

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Color

Yxy(48.2174, 0.2497, 0.4117)

Conversions

Conversions Part 1

Format	Color
Hex	17D19D
RGB	23, 209, 157
RGB Percent	9%, 82%, 62%
CMY	0.9084, 0.1804, 0.3844
CMYK	0.89, 0.00, 0.25, 0.18
HSL	163°, 80%, 46%
HSV	163°, 89%, 82%
XYZ	29.2443, 48.2174, 39.6561
YIQ	147.4580, -94.1640, -55.6040

Conversions

Conversions Part 2

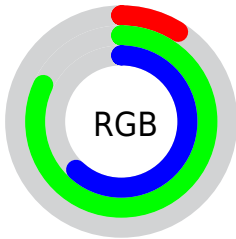
Format	Color
RYB	23, 131, 209
Decimal	1560989
CIELab	74.96, -54.53, 14.00
CIELCh	75, 56.297, 165.597
Yxy	48.2174, 0.2497, 0.4117
Android (android.graphics.Color)	4279751069 (0xFF17D19D)
YUV	147.4580, 4.7042, -109.1497
Hunter-Lab	69.4387, -46.3421, 14.7469

Details

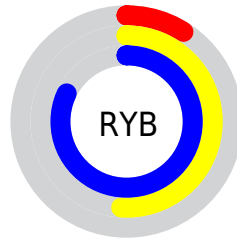
The Yxy color **48.2174, 0.2497, 0.4117** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **14.6949, 0.5504, 0.2900**, and the grayscale version is **29.4314, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4616, 0.2587, 0.3819**, and **23.8231, 0.2530, 0.4307** is the 20% darker color. If you saturate the color by 10%, you get **47.8535, 0.2508, 0.4222**, and if you desaturate by 10%, it is **48.7789, 0.2504, 0.4011**.

Distribution



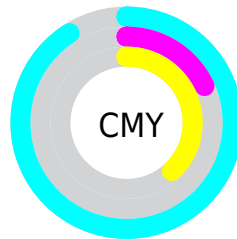
- Red (9%)
- Green (82%)
- Blue (62%)



- Red (9%)
- Yellow (51%)
- Blue (82%)



- Cyan (89%)
- Magenta (0%)
- Yellow (25%)
- Black (18%)





- Cyan (91%)
- Magenta (18%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.2174, 0.2497, 0.4117 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 48.2174, 0.2497, 0.4117 by changing the saturation by 10% instead.


 48.2174, 0.2497,
0.4117


 48.2174, 0.2497,
0.4117


379.6532, 0.2818,
0.3685


 33.9991, 0.2415,
0.4230


 87.5280, 0.2615,
0.3956

 22.8929, 0.2310,
0.4379


 113.3891, 0.2659,
0.3897


 14.5144, 0.2168,
0.4583


 143.8999, 0.2696,
0.3847

 8.4793, 0.1969,
0.4877

 179.4447, 0.2728,
0.3805

 4.4032, 0.1674,
0.5334

 220.4081, 0.2755,
0.3769

 1.9015, 0.0819,
0.6404


267.1744, 0.2779,


 0.5493, 0.0000,


0.3737


1.0000

320.1280, 0.2800,
0.3710


 0.0000, 0.0000,
0.0000


 48.2174, 0.2497,
0.4117

 48.2174, 0.2497,
0.4117


 47.8535, 0.2508,
0.4222


 48.7789, 0.2504,
0.4011

 47.8153, 0.2509,
0.4234

 49.5814, 0.2530,
0.3905

 50.6578, 0.2576,
0.3801

 52.0341, 0.2640,
0.3699

 53.7335, 0.2720,
0.3603

■ 55.7767, 0.2813,
0.3512

■ 58.1827, 0.2916,
0.3428

■ 60.9693, 0.3026,
0.3352

■ 64.1526, 0.3141,
0.3282

Harmonies

Analogous

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



48.2174, 0.3204, 0.4664



48.2174, 0.2497, 0.4117



48.2174, 0.1998, 0.3286

Triad

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



48.2174, 0.2497, 0.4117



48.2174, 0.2257, 0.2119



48.2174, 0.4667, 0.3684

Complementary

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



48.2174, 0.2497, 0.4117



14.6949, 0.5504, 0.2900

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.



48.2174, 0.4374, 0.3120



48.2174, 0.2497, 0.4117



48.2174, 0.2891, 0.2269

Square

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



48.2174, 0.2497, 0.4117



48.2174, 0.1887, 0.2214



48.2174, 0.3685, 0.2623



48.2174, 0.4478, 0.4240

Rectangle

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



48.2174, 0.2497, 0.4117



48.2174, 0.1830, 0.2794



48.2174, 0.3685, 0.2623



48.2174, 0.4624, 0.3493

Sweetspot

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



48.2193, 0.2497, 0.4117



88.0172, 0.2828, 0.3499



47.1971, 0.3174, 0.5777



18.5826, 0.2794, 0.3529



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.



48.2193, 0.2497, 0.4117



74.9620, 0.2513, 0.4246



33.0818, 0.2091, 0.2659



13.3482, 0.3020, 0.3356



29.5002, 0.2505, 0.4219



1.6626, 0.2452, 0.4027

Inverse Universe

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



14.6949, 0.5504, 0.2900



21.7207, 0.5879, 0.3012



17.2376, 0.5867, 0.3579



11.8619, 0.3247, 0.3225



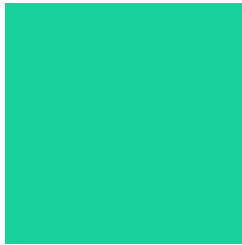
8.5643, 0.5815, 0.2977



0.4925, 0.5281, 0.2683

Previews

White Background



This preview shows how the Yxy color 48.2174, 0.2497, 0.4117 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 48.2174, 0.2497, 0.4117 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

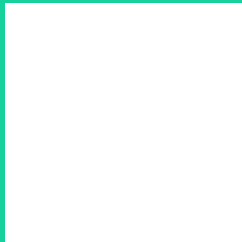
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.2174, 0.2497, 0.4117

Background



This preview shows how black text looks on a background with the Yxy color 48.2174, 0.2497, 0.4117.

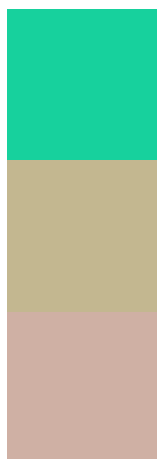


This preview shows how white text looks on a background with the Yxy color 48.2174, 0.2497, 0.4117.

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

48.2174, 0.2497, 0.4117

Protanopia

47.4827, 0.3553, 0.3794

Deuteranopia

46.9964, 0.3510, 0.3440



Tritanopia

48.0851, 0.2288, 0.3062

Trichromacy



Original Color

48.2174, 0.2497, 0.4117



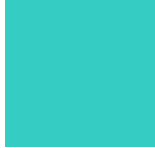
Protanomaly

44.8557, 0.2975, 0.3931



Deuteranomaly

44.1151, 0.2943, 0.3685



Tritanomaly

47.8827, 0.2352, 0.3422

Monochromacy



Original Color

48.2174, 0.2497, 0.4117



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

33.8674, 0.2722, 0.3607

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.2174, 0.2497, 0.4117 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(23, 209, 157)` looks like.

```
.text, #text, p{  
    color:rgb(23, 209, 157)  
}
```

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(23, 209, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 209, 157) }
```

Border

The CSS property to change the border of an element to Yxy 48.2174, 0.2497, 0.4117 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(23, 209, 157) }
```

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

```
.border{ border-color:rgb(23, 209, 157) }
```

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

Here you see how a box with a 4 pixel rgb(23, 209, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 209, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 209, 157);  
box-shadow:4px 4px 4px 4px rgb(23, 209,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 48.2174, 0.2497, 0.4117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 209, 157) }
```

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

```
.background{ background-color: rgb(23, 209,  
157) }
```

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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