

Converting Colors

$Yxy(52.9876, 0.2493, 0.4115)$

Have a look what the booklet for
Yxy(52.9876, 0.2493, 0.4115)
contains.

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Color

Yxy(52.9937, 0.2493, 0.4116)

Conversions

Conversions Part 1

Format	Color
Hex	16DAA4
RGB	22, 218, 164
RGB Percent	9%, 85%, 64%
CMY	0.9150, 0.1451, 0.3569
CMYK	0.90, 0.00, 0.25, 0.15
HSL	163°, 82%, 47%
HSV	163°, 90%, 85%
XYZ	32.0975, 52.9937, 43.6593
YIQ	153.2400, -99.4820, -58.3460

Conversions

Conversions Part 2

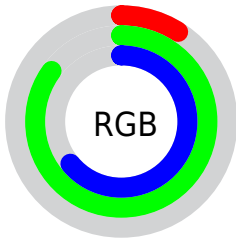
Format	Color
RYB	22, 136, 218
Decimal	1497764
CIELab	77.87, -56.43, 14.37
CIELCh	78, 58.229, 165.717
Yxy	52.9937, 0.2493, 0.4116
Android (android.graphics.Color)	4279687844 (0xFF16DAA4)
YUV	153.2400, 5.3047, -115.0975
Hunter-Lab	72.7968, -48.6903, 15.3990

Details

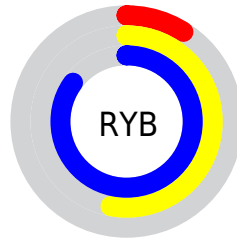
The Yxy color **52.9937, 0.2493, 0.4116** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **15.9857, 0.5571, 0.2921**, and the grayscale version is **31.9313, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.9495, 0.2563, 0.3728**, and **27.0105, 0.2533, 0.4317** is the 20% darker color. If you saturate the color by 10%, you get **52.6186, 0.2505, 0.4218**, and if you desaturate by 10%, it is **53.5746, 0.2497, 0.4012**.

Distribution



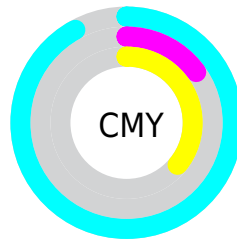
- Red (9%)
- Green (85%)
- Blue (64%)



- Red (9%)
- Yellow (53%)
- Blue (85%)



- Cyan (90%)
- Magenta (0%)
- Yellow (25%)
- Black (15%)





- Cyan (92%)
- Magenta (15%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.9937, 0.2493, 0.4116 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 52.9937, 0.2493, 0.4116 by changing the saturation by 10% instead.

 52.9937, 0.2493,
0.4116

 52.9937, 0.2493,
0.4116


398.2610, 0.2811,
0.3691


 37.7977, 0.2414,
0.4225


 94.5951, 0.2609,
0.3959


 25.8257, 0.2312,
0.4367


 121.7693, 0.2652,
0.3901


 16.6933, 0.2177,
0.4559


 153.7051, 0.2689,
0.3852

 10.0161, 0.1992,
0.4831

 190.7868, 0.2720,
0.3811

 5.4096, 0.1721,
0.5244

 233.3989, 0.2748,
0.3775

 2.4895, 0.1211,
0.5992

281.9256, 0.2772,


 0.8714, 0.0000,


0.3743


1.0000

336.7515, 0.2793,
0.3716

 0.0000, 0.0000,
0.0000


 52.9937, 0.2493,
0.4116


 52.9937, 0.2493,
0.4116

 52.6186, 0.2505,
0.4218

 53.5746, 0.2497,
0.4012

 54.4160, 0.2521,
0.3908

 55.5553, 0.2565,
0.3805

 57.0221, 0.2628,
0.3705

 58.8423, 0.2706,
0.3609

■ 61.0392, 0.2799,
0.3519

■ 63.6342, 0.2901,
0.3436

■ 66.6470, 0.3011,
0.3360

■ 70.0958, 0.3126,
0.3290

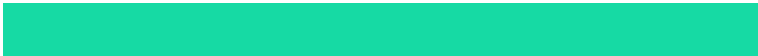
Harmonies

Analogous

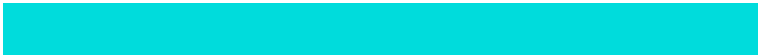
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



52.9937, 0.3201, 0.4666



52.9937, 0.2493, 0.4116



52.9937, 0.1994, 0.3282

Triad

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



52.9937, 0.2493, 0.4116



52.9937, 0.2257, 0.2117



52.9937, 0.4670, 0.3687

Complementary

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



52.9937, 0.2493, 0.4116



15.9857, 0.5571, 0.2921

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.



52.9937, 0.4379, 0.3122



52.9937, 0.2493, 0.4116



52.9937, 0.2894, 0.2268

Square

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



52.9937, 0.2493, 0.4116



52.9937, 0.1885, 0.2211



52.9937, 0.3689, 0.2624



52.9937, 0.4479, 0.4244

Rectangle

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



52.9937, 0.2493, 0.4116



52.9937, 0.1827, 0.2790



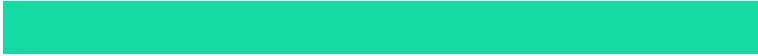
52.9937, 0.3689, 0.2624



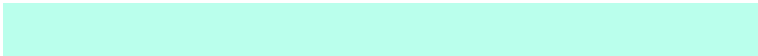
52.9937, 0.4628, 0.3495

Sweetspot

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



52.9958, 0.2493, 0.4116



88.0376, 0.2827, 0.3495



51.7954, 0.3168, 0.5797



18.5875, 0.2792, 0.3525



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.



52.9958, 0.2493, 0.4116



75.0167, 0.2508, 0.4227



36.0726, 0.2084, 0.2647



14.7653, 0.3019, 0.3355



31.5395, 0.2501, 0.4203



2.0575, 0.2454, 0.4035

Inverse Universe

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



15.9857, 0.5571, 0.2921



21.7040, 0.5896, 0.3022



18.6542, 0.5912, 0.3569



13.1101, 0.3249, 0.3226



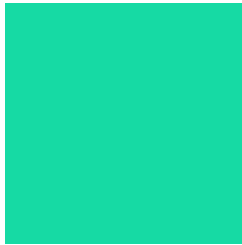
9.1408, 0.5837, 0.2989



0.6066, 0.5368, 0.2731

Previews

White Background



This preview shows how the Yxy color 52.9937, 0.2493, 0.4116 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 52.9937, 0.2493, 0.4116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

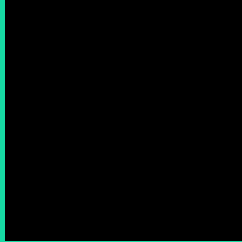
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

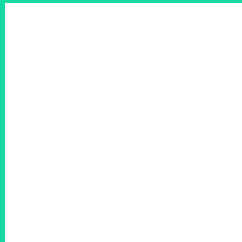
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.9937, 0.2493, 0.4116

Background



This preview shows how black text looks on a background with the Yxy color 52.9937, 0.2493, 0.4116.

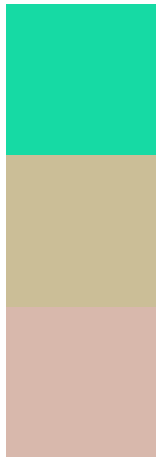


This preview shows how white text looks on a background with the Yxy color 52.9937, 0.2493, 0.4116.

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

52.9937, 0.2493, 0.4116

Protanopia

51.7578, 0.3547, 0.3775

Deuteranopia

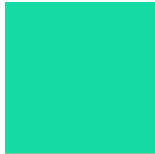
51.8585, 0.3503, 0.3434



Tritanopia

53.0170, 0.2283, 0.3057

Trichromacy



Original Color

52.9937, 0.2493, 0.4116



Protanomaly

49.0272, 0.2959, 0.3923



Deuteranomaly

48.3642, 0.2927, 0.3670



Tritanomaly

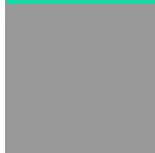
52.7324, 0.2346, 0.3417

Monochromacy



Original Color

52.9937, 0.2493, 0.4116



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

36.8819, 0.2707, 0.3613

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.9937, 0.2493, 0.4116 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(22, 218, 164)` looks like.

```
.text, #text, p{  
    color:rgb(22, 218, 164)  
}
```

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(22, 218, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 218, 164) }
```

Border

The CSS property to change the border of an element to Yxy 52.9937, 0.2493, 0.4116 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(22, 218, 164) }
```

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

```
.border{ border-color:rgb(22, 218, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 218, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 218, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 218, 164);  
box-shadow:4px 4px 4px 4px rgb(22, 218,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 52.9937, 0.2493, 0.4116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 218, 164) }
```

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

```
.background{ background-color: rgb(22, 218,  
164) }
```

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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