

Converting Colors

$Y_{xy}(40.2920, 0.2499, 0.4131)$

Have a look what the booklet for
Yxy(40.2920, 0.2499, 0.4131)
contains.

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Color

Yxy(40.2920, 0.2499, 0.4131)

Conversions

Conversions Part 1

Format	Color
Hex	13C190
RGB	19, 193, 144
RGB Percent	7%, 76%, 56%
CMY	0.9247, 0.2431, 0.4354
CMYK	0.90, 0.00, 0.25, 0.24
HSL	163°, 82%, 42%
HSV	163°, 90%, 76%
XYZ	24.3742, 40.2920, 32.8695
YIQ	135.3880, -87.9750, -52.1270

Conversions

Conversions Part 2

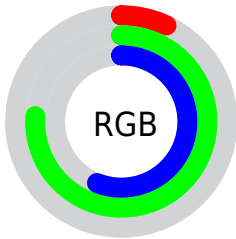
Format	Color
RYB	19, 120, 193
Decimal	1294736
CIELab	69.68, -51.63, 13.55
CIELCh	70, 53.383, 165.292
Yxy	40.2920, 0.2499, 0.4131
Android (android.graphics.Color)	4279484816 (0xFF13C190)
YUV	135.3880, 4.2457, -102.0723
Hunter-Lab	63.4760, -42.5407, 13.7313

Details

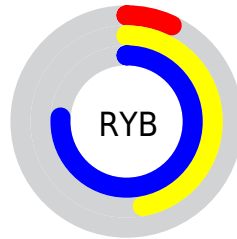
The Yxy color **40.2920, 0.2499, 0.4131** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **12.2307, 0.5523, 0.2902**, and the grayscale version is **24.4126, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.3320, 0.2621, 0.3952**, and **18.9851, 0.2538, 0.4338** is the 20% darker color. If you saturate the color by 10%, you get **39.9912, 0.2510, 0.4236**, and if you desaturate by 10%, it is **40.7454, 0.2504, 0.4025**.

Distribution



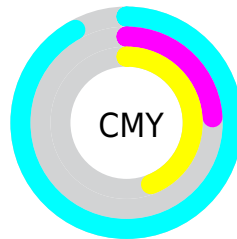
- Red (7%)
- Green (76%)
- Blue (56%)



- Red (7%)
- Yellow (47%)
- Blue (76%)



- Cyan (90%)
- Magenta (0%)
- Yellow (25%)
- Black (24%)





- Cyan (92%)
- Magenta (24%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.2920, 0.2499, 0.4131 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 40.2920, 0.2499, 0.4131 by changing the saturation by 10% instead.

 40.2920, 0.2499,
0.4131


 40.2920, 0.2499,
0.4131


347.3528, 0.2829,
0.3679


 27.7663, 0.2412,
0.4255


 75.6080, 0.2623,
0.3959


 18.1496, 0.2296,
0.4420


 99.1670, 0.2668,
0.3897


 11.0574, 0.2138,
0.4653


 127.1726, 0.2706,
0.3845

 6.1055, 0.1909,
0.5001

 160.0091, 0.2738,
0.3801

 2.9093, 0.1552,
0.5573

 198.0610, 0.2766,
0.3764

 1.0846, 0.0000,
0.8321

241.7127, 0.2790,

 0.0000, 0.0000,

0.3732

0.0000

291.3485, 0.2811,
0.3704

■ 40.2920, 0.2499,
0.4131

■ 40.2920, 0.2499,
0.4131

■ 39.9912, 0.2510,
0.4236

■ 40.7454, 0.2504,
0.4025

■ 41.3960, 0.2528,
0.3919

■ 42.2714, 0.2572,
0.3814

■ 43.3934, 0.2634,
0.3712

■ 44.7812, 0.2713,
0.3615

■ 46.4521, 0.2804,
0.3523

■ 48.4218, 0.2905,
0.3438

■ 50.7049, 0.3014,
0.3361

■ 53.3152, 0.3127,
0.3290

Harmonies

Analogous

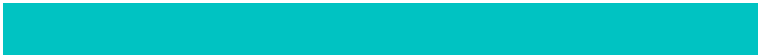
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.2920, 0.3211, 0.4677



40.2920, 0.2499, 0.4131



40.2920, 0.1995, 0.3293

Triad

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



40.2920, 0.2499, 0.4131



40.2920, 0.2246, 0.2112



40.2920, 0.4676, 0.3679

Complementary

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



40.2920, 0.2499, 0.4131



12.2307, 0.5523, 0.2902

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.



40.2920, 0.4377, 0.3113



40.2920, 0.2499, 0.4131



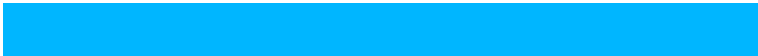
40.2920, 0.2882, 0.2261

Square

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



40.2920, 0.2499, 0.4131



40.2920, 0.1877, 0.2210



40.2920, 0.3680, 0.2615



40.2920, 0.4490, 0.4240

Rectangle

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



40.2920, 0.2499, 0.4131



40.2920, 0.1824, 0.2797



40.2920, 0.3680, 0.2615



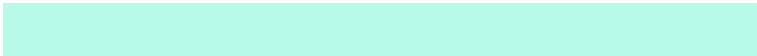
40.2920, 0.4632, 0.3487

Sweetspot

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



40.2936, 0.2499, 0.4131



84.0683, 0.2829, 0.3500



39.4330, 0.3171, 0.5787



17.7917, 0.2796, 0.3531



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.2936, 0.2499, 0.4131



71.5804, 0.2514, 0.4252



27.5489, 0.2087, 0.2653



11.3784, 0.3021, 0.3356



26.6131, 0.2506, 0.4222



1.1612, 0.2441, 0.3988

Inverse Universe

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



12.2307, 0.5523, 0.2902



20.7539, 0.5870, 0.3007



14.2983, 0.5891, 0.3574



10.1236, 0.3246, 0.3225



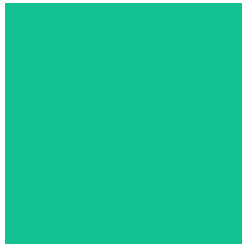
7.7326, 0.5799, 0.2968



0.3463, 0.5141, 0.2606

Previews

White Background



This preview shows how the Yxy color 40.2920, 0.2499, 0.4131 looks on a white background.

Color Contrast Check

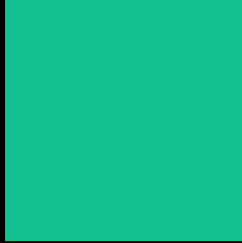
Large Text (above 18pt) WCAG AA × Fail

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 40.2920, 0.2499, 0.4131 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 40.2920, 0.2499, 0.4131

Background



This preview shows how black text looks on a background with the Yxy color 40.2920, 0.2499, 0.4131.

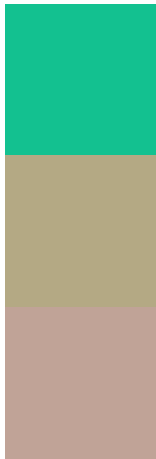


This preview shows how white text looks on a background with the Yxy color 40.2920, 0.2499, 0.4131.

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

40.2920, 0.2499, 0.4131

Protanopia

39.7452, 0.3559, 0.3805

Deuteranopia

39.6352, 0.3519, 0.3451



Tritanopia

40.4248, 0.2287, 0.3060

Trichromacy



Original Color

40.2920, 0.2499, 0.4131



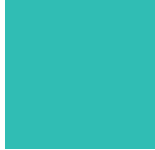
Protanomaly

37.7559, 0.2981, 0.3965



Deuteranomaly

37.0773, 0.2947, 0.3699



Tritanomaly

40.3189, 0.2354, 0.3432

Monochromacy



Original Color

40.2920, 0.2499, 0.4131



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

27.9391, 0.2717, 0.3616

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2920, 0.2499, 0.4131 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(19, 193, 144)` looks like.

```
.text, #text, p{  
    color:rgb(19, 193, 144)  
}
```

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(19, 193, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 193, 144) }
```

Border

The CSS property to change the border of an element to Yxy 40.2920, 0.2499, 0.4131 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(19, 193, 144) }
```

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

```
.border{ border-color:rgb(19, 193, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 193, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 193, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 193, 144);  
box-shadow:4px 4px 4px 4px rgb(19, 193,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2920, 0.2499, 0.4131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 193, 144) }
```

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

```
.background{ background-color: rgb(19, 193,  
144) }
```

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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