

Converting Colors

$Yxy(43.1552, 0.2496, 0.4055)$

Have a look what the booklet for
Yxy(43.1552, 0.2496, 0.4055)
contains.

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Color

Yxy(42.9622, 0.2495, 0.4052)

Conversions

Conversions Part 1

Format	Color
Hex	20C698
RGB	32, 198, 152
RGB Percent	13%, 78%, 60%
CMY	0.8752, 0.2235, 0.4038
CMYK	0.84, 0.00, 0.23, 0.22
HSL	163°, 72%, 45%
HSV	163°, 84%, 78%
XYZ	26.4538, 42.9622, 36.6112
YIQ	143.1220, -84.1700, -49.4980

Conversions

Conversions Part 2

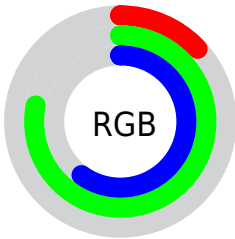
Format	Color
RYB	32, 128, 198
Decimal	2147992
CIELab	71.53, -50.83, 11.84
CIElCh	72, 52.190, 166.890
Yxy	42.9622, 0.2495, 0.4052
Android (android.graphics.Color)	4280338072 (0xFF20C698)
YUV	143.1220, 4.3769, -97.4540
Hunter-Lab	65.5456, -42.6633, 12.7648

Details

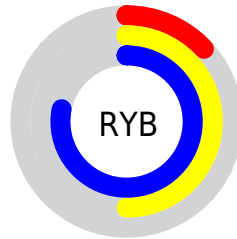
The Yxy color **42.9622, 0.2495, 0.4052** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark muted spring green. A complement of this color would be **13.5771, 0.5331, 0.2876**, and the grayscale version is **27.5059, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2274, 0.2617, 0.3897**, and **20.5845, 0.2515, 0.4253** is the 20% darker color. If you saturate the color by 10%, you get **42.5626, 0.2497, 0.4156**, and if you desaturate by 10%, it is **43.5634, 0.2512, 0.3948**.

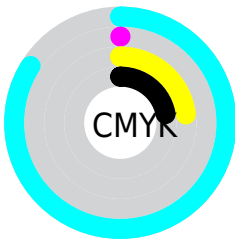
Distribution



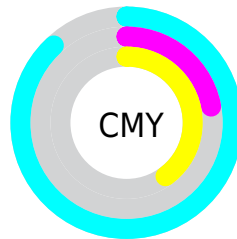
- Red (13%)
- Green (78%)
- Blue (60%)



- Red (13%)
- Yellow (50%)
- Blue (78%)



- Cyan (84%)
- Magenta (0%)
- Yellow (23%)
- Black (22%)





- Cyan (88%)
- Magenta (22%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.9622, 0.2495, 0.4052 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 42.9622, 0.2495, 0.4052 by changing the saturation by 10% instead.


 42.9622, 0.2495,
0.4052


 42.9622, 0.2495,
0.4052


358.4563, 0.2822,
0.3649


 29.8555, 0.2410,
0.4160


 79.6538, 0.2616,
0.3900


 19.7289, 0.2300,
0.4303


 104.0075, 0.2661,
0.3845


 12.1981, 0.2150,
0.4502


 132.8789, 0.2699,
0.3798

 6.8788, 0.1937,
0.4794

 166.6525, 0.2731,
0.3759

 3.3864, 0.1613,
0.5262

 205.7126, 0.2758,
0.3726

 1.3366, 0.0000,
0.7040

250.4437, 0.2782,

 0.1693, 0.0000,

0.3697

1.0000

301.2301, 0.2803,
0.3671

■ 0.0000, 0.0000,
0.0000

■ 42.9622, 0.2495,
0.4052

■ 42.9622, 0.2495,
0.4052

■ 42.5626, 0.2497,
0.4156

■ 43.5634, 0.2512,
0.3948

■ 42.3819, 0.2505,
0.4218

■ 44.3910, 0.2549,
0.3844

■ 45.4715, 0.2604,
0.3743

■ 46.8262, 0.2677,
0.3645

■ 48.4744, 0.2764,
0.3553

■ 50.4333, 0.2862,
0.3467

■ 52.7190, 0.2969,
0.3388

■ 55.3464, 0.3082,
0.3316

■ 58.3295, 0.3198,
0.3252

Harmonies

Analogous

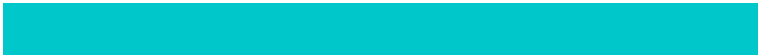
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.9622, 0.3174, 0.4597



42.9622, 0.2495, 0.4052



42.9622, 0.2021, 0.3255

Triad

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



42.9622, 0.2495, 0.4052



42.9622, 0.2307, 0.2157



42.9622, 0.4614, 0.3702

Complementary

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



42.9622, 0.2495, 0.4052



13.5771, 0.5331, 0.2876

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.



42.9622, 0.4350, 0.3152



42.9622, 0.2495, 0.4052



42.9622, 0.2932, 0.2312

Square

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



42.9622, 0.2495, 0.4052



42.9622, 0.1935, 0.2240



42.9622, 0.3699, 0.2664



42.9622, 0.4418, 0.4237

Rectangle

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



42.9622, 0.2495, 0.4052



42.9622, 0.1864, 0.2789



42.9622, 0.3699, 0.2664



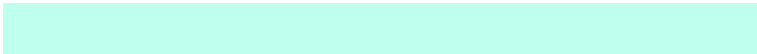
42.9622, 0.4579, 0.3516

Sweetspot

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



42.9639, 0.2495, 0.4052



88.7642, 0.2848, 0.3479



42.1535, 0.3196, 0.5691



18.7268, 0.2812, 0.3510



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.



42.9639, 0.2495, 0.4052



74.9990, 0.2509, 0.4233



30.2222, 0.2118, 0.2700



12.0155, 0.3020, 0.3355



27.5744, 0.2501, 0.4204



1.3175, 0.2442, 0.3989

Inverse Universe

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



13.5771, 0.5331, 0.2876



21.7094, 0.5890, 0.3019



16.2229, 0.5695, 0.3608



10.6844, 0.3247, 0.3226



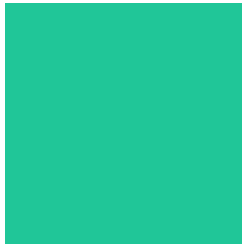
7.9984, 0.5820, 0.2980



0.3913, 0.5207, 0.2642

Previews

White Background



This preview shows how the Yxy color 42.9622, 0.2495, 0.4052 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 42.9622, 0.2495, 0.4052 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

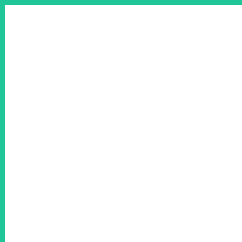
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.9622, 0.2495, 0.4052

Background



This preview shows how black text looks on a background with the Yxy color 42.9622, 0.2495, 0.4052.

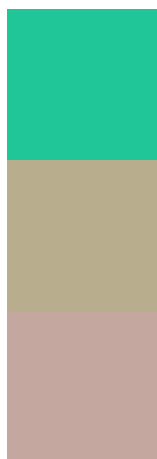


This preview shows how white text looks on a background with the Yxy color 42.9622, 0.2495, 0.4052.

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

42.9622, 0.2495, 0.4052

Protanopia

41.9709, 0.3514, 0.3739

Deuteranopia

42.2442, 0.3471, 0.3408



Tritanopia

42.9468, 0.2295, 0.3066

Trichromacy



Original Color

42.9622, 0.2495, 0.4052



Protanomaly

40.1366, 0.2978, 0.3879



Deuteranomaly

39.8747, 0.2945, 0.3638



Tritanomaly

42.9410, 0.2362, 0.3412

Monochromacy



Original Color

42.9622, 0.2495, 0.4052



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

31.1533, 0.2745, 0.3582

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.9622, 0.2495, 0.4052 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(32, 198, 152)` looks like.

```
.text, #text, p{  
    color:rgb(32, 198, 152)  
}
```

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(32, 198, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 198, 152) }
```

Border

The CSS property to change the border of an element to Yxy 42.9622, 0.2495, 0.4052 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(32, 198, 152) }
```

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

```
.border{ border-color:rgb(32, 198, 152) }
```

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

Here you see how a box with a 4 pixel rgb(32, 198, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 198, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 198, 152);  
box-shadow:4px 4px 4px 4px rgb(32, 198,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 42.9622, 0.2495, 0.4052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 198, 152) }
```

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

```
.background{ background-color: rgb(32, 198,  
152) }
```

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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