

Converting Colors

$Yxy(51.1250, 0.2648, 0.4243)$

Have a look what the booklet for
Yxy(51.1250, 0.2648, 0.4243)
contains.

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Color

Yxy(51.1250, 0.2648, 0.4243)

Conversions

Conversions Part 1

Format	Color
Hex	46D597
RGB	70, 213, 151
RGB Percent	27%, 84%, 59%
CMY	0.7254, 0.1647, 0.4079
CMYK	0.67, 0.00, 0.29, 0.16
HSL	154°, 63%, 55%
HSV	154°, 67%, 84%
XYZ	31.9064, 51.1250, 37.4611
YIQ	163.1750, -65.3260, -49.5980

Conversions

Conversions Part 2

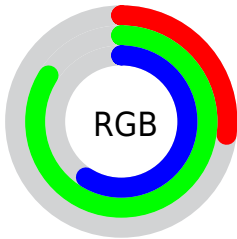
Format	Color
RYB	70, 161, 213
Decimal	4642199
CIELab	76.75, -52.31, 19.78
CIELCh	77, 55.923, 159.287
Yxy	51.1250, 0.2648, 0.4243
Android (android.graphics.Color)	4282832279 (0xFF46D597)
YUV	163.1750, -6.0023, -81.7145
Hunter-Lab	71.5017, -45.4755, 18.9881

Details

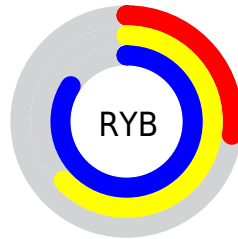
The Yxy color **51.1250, 0.2648, 0.4243** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **20.1965, 0.4336, 0.2591**, and the grayscale version is **36.7683, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9961, 0.2721, 0.3894**, and **25.0340, 0.2586, 0.4509** is the 20% darker color. If you saturate the color by 10%, you get **50.1817, 0.2631, 0.4414**, and if you desaturate by 10%, it is **52.3767, 0.2685, 0.4075**.

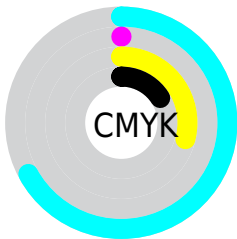
Distribution



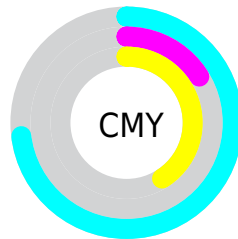
- Red (27%)
- Green (84%)
- Blue (59%)



- Red (27%)
- Yellow (63%)
- Blue (84%)



- Cyan (67%)
- Magenta (0%)
- Yellow (29%)
- Black (16%)





- Cyan (73%)
- Magenta (16%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.1250, 0.2648, 0.4243 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 51.1250, 0.2648, 0.4243 by changing the saturation by 10% instead.

 51.1250, 0.2648,
0.4243

 51.1250, 0.2648,
0.4243


391.0492, 0.2897,
0.3746


 36.3081, 0.2583,
0.4373


 91.8395, 0.2741,
0.4057

 24.6722, 0.2498,
0.4544


 118.5059, 0.2775,
0.3989

 15.8330, 0.2383,
0.4778


 149.8909, 0.2803,
0.3932

 9.4061, 0.2219,
0.5113

 186.3790, 0.2828,
0.3884

 5.0070, 0.1966,
0.5632

228.3545, 0.2849,
0.3842

 2.2514, 0.1440,
0.6672

276.2017, 0.2867,

 0.7478, 0.0000,

0.3806

1.0000

330.3052, 0.2883,
0.3774

■ 0.0000, 0.0000,
0.0000

■ 51.1250, 0.2648,
0.4243

■ 51.1250, 0.2648,
0.4243

■ 50.1817, 0.2631,
0.4414

■ 52.3767, 0.2685,
0.4075

■ 49.5089, 0.2634,
0.4582

■ 53.9579, 0.2738,
0.3912

■ 49.0666, 0.2657,
0.4746

■ 55.8948, 0.2806,
0.3759

■ 48.9613, 0.2665,
0.4792

■ 58.2091, 0.2884,
0.3616

■ 60.9208, 0.2970,
0.3485

■ 64.0485, 0.3061,
0.3367

■ 67.6095, 0.3154,
0.3261

■ 71.6202, 0.3247,
0.3166

■ 74.7981, 0.3290,
0.3080

Harmonies

Analogous

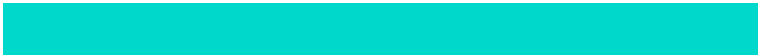
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.1250, 0.3360, 0.4668



51.1250, 0.2648, 0.4243



51.1250, 0.2104, 0.3457

Triad

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



51.1250, 0.2648, 0.4243



51.1250, 0.2178, 0.2143



51.1250, 0.4608, 0.3562

Complementary

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



51.1250, 0.2648, 0.4243



20.1965, 0.4336, 0.2591

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.



51.1250, 0.4225, 0.3016



51.1250, 0.2648, 0.4243



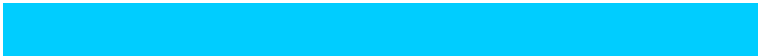
51.1250, 0.2749, 0.2242

Square

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



51.1250, 0.2648, 0.4243



51.1250, 0.1872, 0.2293



51.1250, 0.3507, 0.2551



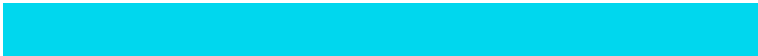
51.1250, 0.4520, 0.4115

Rectangle

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



51.1250, 0.2648, 0.4243



51.1250, 0.1897, 0.2948



51.1250, 0.3507, 0.2551



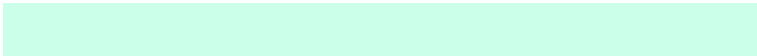
51.1250, 0.4531, 0.3375

Sweetspot

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



51.1270, 0.2648, 0.4243



90.2338, 0.2943, 0.3524



53.1307, 0.3406, 0.5202



19.0642, 0.2919, 0.3561



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.



51.1270, 0.2648, 0.4243



74.8914, 0.2630, 0.4494



50.1795, 0.2323, 0.3187



14.0126, 0.3040, 0.3393



29.9277, 0.2658, 0.4769



1.8216, 0.2580, 0.4487

Inverse Universe

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



20.1965, 0.4336, 0.2591



25.2467, 0.4757, 0.2560



19.9208, 0.5279, 0.3369



12.5094, 0.3224, 0.3189



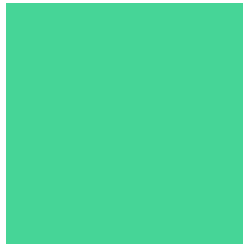
9.1368, 0.5226, 0.2652



0.5675, 0.4792, 0.2413

Previews

White Background



This preview shows how the Yxy color 51.1250, 0.2648, 0.4243 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 51.1250, 0.2648, 0.4243 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

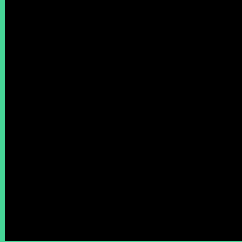
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.1250, 0.2648, 0.4243

Background



This preview shows how black text looks on a background with the Yxy color 51.1250, 0.2648, 0.4243.

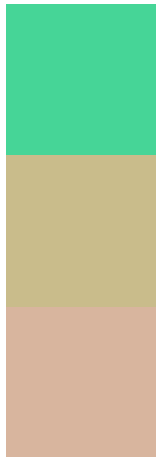


This preview shows how white text looks on a background with the Yxy color 51.1250, 0.2648, 0.4243.

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

51.1250, 0.2648, 0.4243

Protanopia

50.2480, 0.3633, 0.3906

Deuteranopia

50.1153, 0.3632, 0.3568



Tritanopia

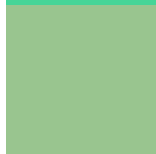
50.9476, 0.2374, 0.3057

Trichromacy



Original Color

51.1250, 0.2648, 0.4243



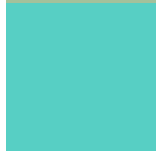
Protanomaly

48.6880, 0.3168, 0.4053



Deuteranomaly

48.2930, 0.3167, 0.3815



Tritanomaly

50.6374, 0.2464, 0.3446

Monochromacy



Original Color

51.1250, 0.2648, 0.4243



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

40.2181, 0.2870, 0.3625

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.1250, 0.2648, 0.4243 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(70, 213, 151)` looks like.

```
.text, #text, p{  
    color:rgb(70, 213, 151)  
}
```

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(70, 213, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 213, 151) }
```

Border

The CSS property to change the border of an element to Yxy 51.1250, 0.2648, 0.4243 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(70, 213, 151) }
```

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

```
.border{ border-color:rgb(70, 213, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 213, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 213, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 213, 151);  
box-shadow:4px 4px 4px 4px rgb(70, 213,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 51.1250, 0.2648, 0.4243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 213, 151) }
```

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

```
.background{ background-color: rgb(70, 213,  
151) }
```

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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