

Converting Colors

Yxy(48.6343, 0.3213, 0.5831)

Have a look what the booklet for
Yxy(48.6343, 0.3213, 0.5831)
contains.

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Color

Yxy(48.7924, 0.3210, 0.5833)

Conversions

Conversions Part 1

Format	Color
Hex	50D400
RGB	80, 212, 0
RGB Percent	31%, 83%, 0%
CMY	0.6863, 0.1686, 0.9996
CMYK	0.62, 0.00, 1.00, 0.17
HSL	97°, 100%, 42%
HSV	97°, 100%, 83%
XYZ	26.8513, 48.7924, 8.0052
YIQ	148.3640, -10.6200, -93.9160

Conversions

Conversions Part 2

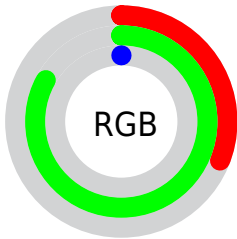
Format	Color
RYB	0, 212, 132
Decimal	5297152
CIELab	75.32, -65.55, 73.67
CIELCh	75, 98.608, 131.663
Yxy	48.7924, 0.3210, 0.5833
Android (android.graphics.Color)	4283487232 (0xFF50D400)
YUV	148.3640, -73.1435, -59.9552
Hunter-Lab	69.8516, -53.6239, 42.1013

Details

The Yxy color **48.7924, 0.3210, 0.5833** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **9.6724, 0.2276, 0.1028**, and the grayscale version is **30.0948, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1798, 0.3311, 0.5278**, and **23.7769, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **48.7911, 0.3210, 0.5833**, and if you desaturate by 10%, it is **49.4820, 0.3263, 0.5721**.

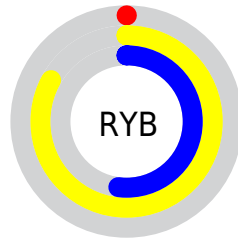
Distribution



Red (31%)

Green (83%)

Blue (0%)



Red (0%)

Yellow (83%)

Blue (52%)

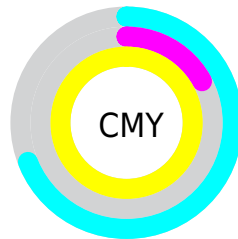


Cyan (62%)

Magenta (0%)

Yellow (100%)

Black (17%)



Cyan (69%)

Magenta (17%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.7924, 0.3210, 0.5833 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 48.7924, 0.3210, 0.5833 by changing the saturation by 10% instead.


 48.7924, 0.3210,
0.5833


 48.7924, 0.3210,
0.5833


381.9245, 0.3296,
0.4510

 34.4548, 0.3139,
0.6146

 88.3830, 0.3277,
0.5358

 23.2432, 0.3019,
0.6523


 114.4049, 0.3292,
0.5176


 14.7732, 0.2836,
0.7016


 145.0903, 0.3299,
0.5022

 8.6604, 0.2488,
0.7512

 180.8237, 0.3303,
0.4889

 4.5203, 0.1935,
0.8065

 221.9894, 0.3303,
0.4775

 1.9687, 0.0061,
0.9939

 268.9718, 0.3302,

 0.5892, 0.0000,

0.4675

1.0000

322.1554, 0.3299,
0.4588

■ 0.0000, 0.0000,
0.0000

■ 48.7924, 0.3210,
0.5833

■ 48.7924, 0.3210,
0.5833

■ 48.7911, 0.3210,
0.5833

■ 49.4820, 0.3263,
0.5721

■ 50.3492, 0.3304,
0.5552

■ 51.4217, 0.3328,
0.5322

■ 52.7160, 0.3334,
0.5047

■ 54.2462, 0.3323,
0.4742

■ 56.0254, 0.3298,
0.4426

■ 58.0654, 0.3263,
0.4115

■ 60.3773, 0.3220,
0.3817

■ 62.9712, 0.3174,
0.3541

Harmonies

Analogous

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



48.7924, 0.4335, 0.5330



48.7924, 0.3210, 0.5833



48.7924, 0.2121, 0.5039

Triad

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



48.7924, 0.3210, 0.5833



48.7924, 0.1207, 0.1624



48.7924, 0.5155, 0.2808

Complementary

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



48.7924, 0.3210, 0.5833



9.6724, 0.2276, 0.1028

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.



48.7924, 0.3860, 0.2141



48.7924, 0.3210, 0.5833



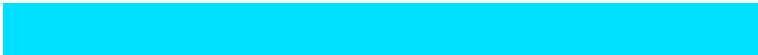
48.7924, 0.1651, 0.1498

Square

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



48.7924, 0.3210, 0.5833



48.7924, 0.1109, 0.2172



48.7924, 0.2535, 0.1680



48.7924, 0.5666, 0.3563

Rectangle

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



48.7924, 0.3210, 0.5833



48.7924, 0.1570, 0.3922



48.7924, 0.2535, 0.1680



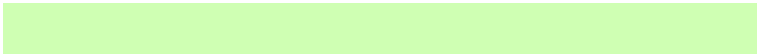
48.7924, 0.4778, 0.2572

Sweetspot

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



48.7945, 0.3210, 0.5833



88.0684, 0.3264, 0.4126



30.1716, 0.5079, 0.4349



18.5585, 0.3280, 0.4258



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.



48.7945, 0.3210, 0.5833



74.0135, 0.3203, 0.5839



47.1595, 0.2978, 0.5921



14.1217, 0.3172, 0.3527



30.1727, 0.3220, 0.5826



1.8665, 0.3357, 0.5716

Inverse Universe

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



9.6724, 0.2276, 0.1028



14.5784, 0.2266, 0.1022



17.6003, 0.3530, 0.1718



12.3880, 0.3078, 0.3056



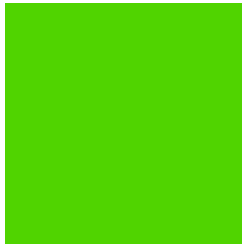
6.0262, 0.2288, 0.1034



0.4101, 0.2447, 0.1122

Previews

White Background



This preview shows how the Yxy color 48.7924, 0.3210, 0.5833 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 48.7924, 0.3210, 0.5833 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

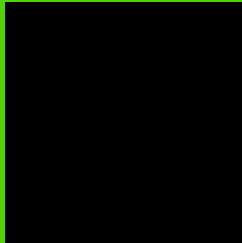
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.7924, 0.3210, 0.5833

Background



This preview shows how black text looks on a background with the Yxy color 48.7924, 0.3210, 0.5833.



This preview shows how white text looks on a background with the Yxy color 48.7924, 0.3210, 0.5833.

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

48.7924, 0.3210, 0.5833

Protanopia

48.1078, 0.4404, 0.4886

Deuteranopia

47.8383, 0.4611, 0.4524



Tritanopia

48.4496, 0.2482, 0.3069

Trichromacy



Original Color

48.7924, 0.3210, 0.5833



Protanomaly

46.6073, 0.3887, 0.5295



Deuteranomaly

45.2853, 0.4039, 0.5066



Tritanomaly

46.9022, 0.2865, 0.4312

Monochromacy



Original Color

48.7924, 0.3210, 0.5833



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

34.1449, 0.3310, 0.4567

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7924, 0.3210, 0.5833 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(80, 212, 0)` looks like.

```
.text, #text, p{  
    color:rgb(80, 212, 0)  
}
```

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(80, 212, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 212, 0) }
```

Border

The CSS property to change the border of an element to Yxy 48.7924, 0.3210, 0.5833 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(80, 212, 0) }
```

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

```
.border{ border-color:rgb(80, 212, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 212, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 212, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 212, 0);  
box-shadow:4px 4px 4px 4px rgb(80, 212, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 48.7924, 0.3210, 0.5833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 212, 0) }
```

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

```
.background{ background-color: rgb(80, 212,  
0) }
```

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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