

Converting Colors

$Y_{xy}(49.3117, 0.3171, 0.5722)$

Have a look what the booklet for
Yxy(49.3117, 0.3171, 0.5722)
contains.

Yxy(49.4038, 0.3172, 0.5724)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(49.4038, 0.3172, 0.5724)

Conversions

Conversions Part 1

Format	Color
Hex	50D521
RGB	80, 213, 33
RGB Percent	31%, 84%, 13%
CMY	0.6862, 0.1647, 0.8707
CMYK	0.62, 0.00, 0.85, 0.16
HSL	104°, 73%, 48%
HSV	104°, 85%, 84%
XYZ	27.3775, 49.4038, 9.5286
YIQ	152.7130, -21.4880, -84.1760

Conversions

Conversions Part 2

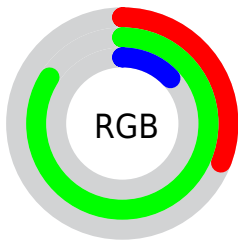
Format	Color
RYB	33, 213, 166
Decimal	5297441
CIELab	75.70, -65.06, 69.31
CIELCh	76, 95.062, 133.187
Yxy	49.4038, 0.3172, 0.5724
Android (android.graphics.Color)	4283487521 (0xFF50D521)
YUV	152.7130, -59.0185, -63.7693
Hunter-Lab	70.2878, -53.4770, 41.1638

Details

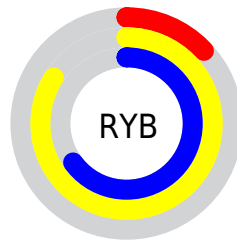
The Yxy color **49.4038, 0.3172, 0.5724** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **13.9923, 0.2656, 0.1315**, and the grayscale version is **31.9935, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.2938, 0.3264, 0.5177**, and **24.1139, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **48.7153, 0.3129, 0.5864**, and if you desaturate by 10%, it is **50.3322, 0.3206, 0.5513**.

Distribution



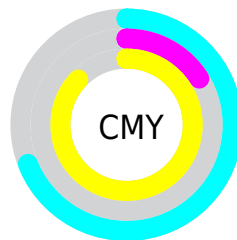
- Red (31%)
- Green (84%)
- Blue (13%)



- Red (13%)
- Yellow (84%)
- Blue (65%)



- Cyan (62%)
- Magenta (0%)
- Yellow (85%)
- Black (16%)





- Cyan (69%)
- Magenta (16%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.4038, 0.3172, 0.5724 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 49.4038, 0.3172, 0.5724 by changing the saturation by 10% instead.


 49.4038, 0.3172,
0.5724


 49.4038, 0.3172,
0.5724


 384.3298, 0.3261,
0.4450


 34.9399, 0.3107,
0.6032


 89.2909, 0.3236,
0.5262

 23.6166, 0.2998,
0.6410


 115.4829, 0.3250,
0.5087

 15.0495, 0.2818,
0.6879


 146.3530, 0.3258,
0.4939

 8.8541, 0.2523,
0.7477

 182.2857, 0.3262,
0.4812

 4.6461, 0.1980,
0.8020

 223.6653, 0.3264,
0.4703

 2.0412, 0.0304,
0.9696

 270.8763, 0.3264,

 0.6312, 0.0000,

0.4608

1.0000

324.3030, 0.3263,
0.4524

■ 0.0000, 0.0000,
0.0000

■ 49.4038, 0.3172,
0.5724

■ 49.4038, 0.3172,
0.5724

■ 48.7153, 0.3129,
0.5864

■ 50.3322, 0.3206,
0.5513

■ 48.4212, 0.3105,
0.5917

■ 51.5169, 0.3227,
0.5243

■ 52.9795, 0.3234,
0.4934

■ 54.7374, 0.3230,
0.4605

■ 56.8067, 0.3216,
0.4276

■ 59.2021, 0.3195,
0.3961

■ 61.9373, 0.3169,
0.3667

■ 65.0253, 0.3140,
0.3401

■ 68.4782, 0.3111,
0.3163

Harmonies

Analogous

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



49.4038, 0.4268, 0.5319



49.4038, 0.3172, 0.5724



49.4038, 0.2118, 0.4884

Triad

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



49.4038, 0.3172, 0.5724



49.4038, 0.1271, 0.1660



49.4038, 0.5125, 0.2869

Complementary

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



49.4038, 0.3172, 0.5724



13.9923, 0.2656, 0.1315

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.



49.4038, 0.3906, 0.2207



49.4038, 0.3172, 0.5724



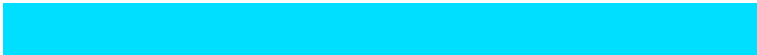
49.4038, 0.1728, 0.1549

Square

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



49.4038, 0.3172, 0.5724



49.4038, 0.1160, 0.2176



49.4038, 0.2615, 0.1742



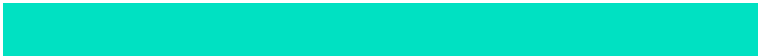
49.4038, 0.5581, 0.3616

Rectangle

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



49.4038, 0.3172, 0.5724



49.4038, 0.1592, 0.3819



49.4038, 0.2615, 0.1742



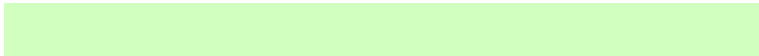
49.4038, 0.4775, 0.2634

Sweetspot

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



49.4059, 0.3172, 0.5724



88.6894, 0.3197, 0.3983



41.1642, 0.4598, 0.4597



18.7002, 0.3205, 0.4093



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.



49.4059, 0.3172, 0.5724



72.7005, 0.3099, 0.5921



48.4206, 0.2895, 0.5456



14.0513, 0.3155, 0.3528



29.6191, 0.3113, 0.5910



1.8267, 0.3241, 0.5809

Inverse Universe

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



13.9923, 0.2656, 0.1315



17.9574, 0.2543, 0.1175



18.1726, 0.3772, 0.1940



12.4618, 0.3096, 0.3057



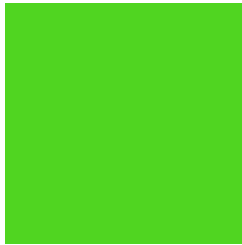
7.3856, 0.2560, 0.1184



0.4844, 0.2676, 0.1248

Previews

White Background



This preview shows how the Yxy color 49.4038, 0.3172, 0.5724 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 49.4038, 0.3172, 0.5724 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

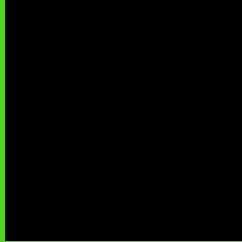
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.4038, 0.3172, 0.5724

Background



This preview shows how black text looks on a background with the Yxy color 49.4038, 0.3172, 0.5724.



This preview shows how white text looks on a background with the Yxy color 49.4038, 0.3172, 0.5724.

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

49.4038, 0.3172, 0.5724

Protanopia

48.3234, 0.4378, 0.4828

Deuteranopia

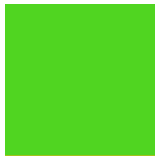
48.4728, 0.4573, 0.4481



Tritanopia

48.9562, 0.2479, 0.3070

Trichromacy



Original Color

49.4038, 0.3172, 0.5724



Protanomaly

46.7954, 0.3859, 0.5215



Deuteranomaly

45.9396, 0.3991, 0.4979



Tritanomaly

47.7336, 0.2795, 0.4131

Monochromacy



Original Color

49.4038, 0.3172, 0.5724



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

36.1997, 0.3218, 0.4364

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.4038, 0.3172, 0.5724 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, 213, 33)` looks like.

```
.text, #text, p{  
    color:rgb(80, 213, 33)  
}
```

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, 213, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 213, 33) }
```

Border

The CSS property to change the border of an element to Yxy 49.4038, 0.3172, 0.5724 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, 213, 33) }
```

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

```
.border{ border-color:rgb(80, 213, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 213, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 213, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 213, 33);  
box-shadow:4px 4px 4px 4px rgb(80, 213,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 49.4038, 0.3172, 0.5724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 213, 33) }
```

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

```
.background{ background-color: rgb(80, 213,  
33) }
```

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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