

Converting Colors

$Y_{xy}(50.9109, 0.3172, 0.5747)$

Have a look what the booklet for
Yxy(50.9109, 0.3172, 0.5747)
contains.

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Color

Yxy(50.9109, 0.3172, 0.5747)

Conversions

Conversions Part 1

Format	Color
Hex	50D81E
RGB	80, 216, 30
RGB Percent	31%, 85%, 12%
CMY	0.6862, 0.1529, 0.8822
CMYK	0.63, 0.00, 0.86, 0.15
HSL	104°, 76%, 48%
HSV	104°, 86%, 85%
XYZ	28.0998, 50.9109, 9.5762
YIQ	154.1320, -21.3500, -86.6780

Conversions

Conversions Part 2

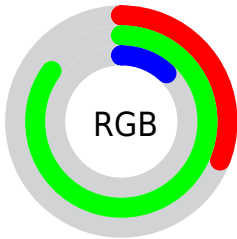
Format	Color
RYB	30, 216, 166
Decimal	5298206
CIELab	76.63, -66.16, 70.76
CIELCh	77, 96.868, 133.077
Yxy	50.9109, 0.3172, 0.5747
Android (android.graphics.Color)	4283488286 (0xFF50D81E)
YUV	154.1320, -61.1971, -65.0138
Hunter-Lab	71.3519, -54.5690, 41.9889

Details

The Yxy color **50.9109, 0.3172, 0.5747** 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 **13.9991, 0.2629, 0.1287**, and the grayscale version is **32.6620, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.3660, 0.3274, 0.5183**, and **25.1416, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **50.2288, 0.3127, 0.5875**, and if you desaturate by 10%, it is **51.8342, 0.3208, 0.5547**.

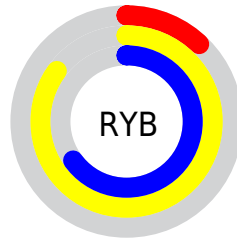
Distribution



Red (31%)

Green (85%)

Blue (12%)



Red (12%)

Yellow (85%)

Blue (65%)

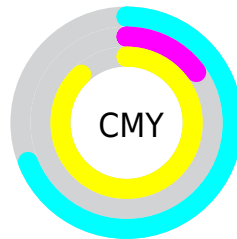


Cyan (63%)

Magenta (0%)

Yellow (86%)

Black (15%)



Cyan (69%)


Magenta (15%)


Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.9109, 0.3172, 0.5747 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 50.9109, 0.3172, 0.5747 by changing the saturation by 10% instead.

 50.9109, 0.3172,
0.5747


 50.9109, 0.3172,
0.5747


390.2175, 0.3264,
0.4469

 36.1377, 0.3106,
0.6054


 91.5231, 0.3237,
0.5285


 24.5406, 0.2997,
0.6428


 118.1308, 0.3252,
0.5110

 15.7351, 0.2817,
0.6888


 149.4522, 0.3260,
0.4961

 9.3369, 0.2525,
0.7475

 185.8716, 0.3265,
0.4834

 4.9616, 0.1994,
0.8006

 227.7735, 0.3267,
0.4723

 2.2247, 0.0569,
0.9431

 275.5421, 0.3267,

 0.7334, 0.0000,

0.4627

1.0000

329.5620, 0.3266,
0.4543

■ 0.0000, 0.0000,
0.0000

■ 50.9109, 0.3172,
0.5747

■ 50.9109, 0.3172,
0.5747

■ 50.2288, 0.3127,
0.5875

■ 51.8342, 0.3208,
0.5547

■ 50.0138, 0.3110,
0.5913

■ 53.0162, 0.3231,
0.5286

■ 54.4794, 0.3240,
0.4982

■ 56.2416, 0.3237,
0.4656

■ 58.3196, 0.3223,
0.4327

■ 60.7283, 0.3202,
0.4009

■ 63.4819, 0.3175,
0.3712

■ 66.5939, 0.3146,
0.3441

■ 70.0766, 0.3115,
0.3198

Harmonies

Analogous

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



50.9109, 0.4275, 0.5328



50.9109, 0.3172, 0.5747



50.9109, 0.2111, 0.4906

Triad

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



50.9109, 0.3172, 0.5747



50.9109, 0.1259, 0.1650



50.9109, 0.5139, 0.2861

Complementary

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



50.9109, 0.3172, 0.5747



13.9991, 0.2629, 0.1287

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.



50.9109, 0.3906, 0.2197



50.9109, 0.3172, 0.5747



50.9109, 0.1717, 0.1539

Square

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



50.9109, 0.3172, 0.5747



50.9109, 0.1149, 0.2169



50.9109, 0.2606, 0.1731



50.9109, 0.5599, 0.3611

Rectangle

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



50.9109, 0.3172, 0.5747



50.9109, 0.1583, 0.3828



50.9109, 0.2606, 0.1731



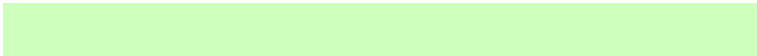
50.9109, 0.4785, 0.2626

Sweetspot

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



50.9130, 0.3172, 0.5747



88.3770, 0.3202, 0.4013



40.9993, 0.4652, 0.4573



18.6424, 0.3210, 0.4123



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.



50.9130, 0.3172, 0.5747



72.7679, 0.3105, 0.5917



49.8361, 0.2908, 0.5529



14.0558, 0.3156, 0.3528



29.6480, 0.3119, 0.5906



1.8290, 0.3247, 0.5804

Inverse Universe

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



13.9991, 0.2629, 0.1287



17.7187, 0.2525, 0.1165



18.6532, 0.3740, 0.1906



12.4571, 0.3095, 0.3057



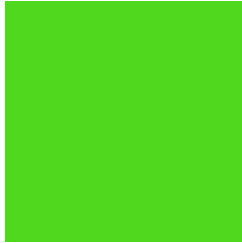
7.2899, 0.2542, 0.1174



0.4793, 0.2662, 0.1240

Previews

White Background



This preview shows how the Yxy color 50.9109, 0.3172, 0.5747 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 50.9109, 0.3172, 0.5747 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

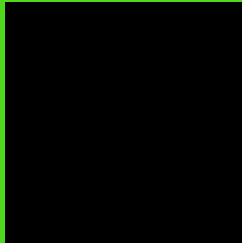
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

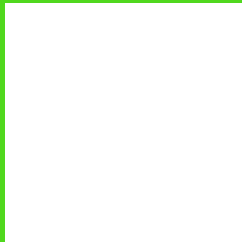
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.9109, 0.3172, 0.5747

Background



This preview shows how black text looks on a background with the Yxy color 50.9109, 0.3172, 0.5747.



This preview shows how white text looks on a background with the Yxy color 50.9109, 0.3172, 0.5747.

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

50.9109, 0.3172, 0.5747

Protanopia

49.8695, 0.4375, 0.4850

Deuteranopia

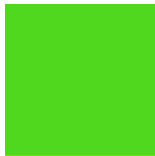
49.7600, 0.4584, 0.4488



Tritanopia

50.5650, 0.2476, 0.3073

Trichromacy



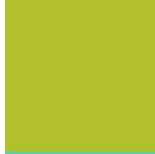
Original Color

50.9109, 0.3172, 0.5747



Protanomaly

48.2406, 0.3854, 0.5243



Deuteranomaly

47.4724, 0.3990, 0.4995



Tritanomaly

49.2556, 0.2799, 0.4151

Monochromacy



Original Color

50.9109, 0.3172, 0.5747



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

37.0604, 0.3224, 0.4387

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.9109, 0.3172, 0.5747 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, 216, 30)` looks like.

```
.text, #text, p{  
    color:rgb(80, 216, 30)  
}
```

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, 216, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 216, 30) }
```

Border

The CSS property to change the border of an element to Yxy 50.9109, 0.3172, 0.5747 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, 216, 30) }
```

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

```
.border{ border-color:rgb(80, 216, 30) }
```

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

Here you see how a box with a 4 pixel rgb(80, 216, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 216, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 216, 30);  
box-shadow:4px 4px 4px 4px rgb(80, 216,  
30) }
```


Background

The CSS property to change the background color of an element to Yxy 50.9109, 0.3172, 0.5747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 216, 30) }
```

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

```
.background{ background-color: rgb(80, 216,  
30) }
```

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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