

# Converting Colors

Yxy(52.6130, 0.3162, 0.5721)

Have a look what the booklet for  
Yxy(52.6130, 0.3162, 0.5721)  
contains.

<b>Yxy(52.5397, 0.3162, 0.5719)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

**Color**

**Yxy(52.5397, 0.3162, 0.5719)**

# Conversions

## Conversions Part 1

Format	Color
Hex	51DB24
RGB	81, 219, 36
RGB Percent	32%, 86%, 14%
CMY	0.6820, 0.1412, 0.8587
CMYK	0.63, 0.00, 0.84, 0.14
HSL	105°, 72%, 50%
HSV	105°, 84%, 86%
XYZ	29.0489, 52.5397, 10.2801
YIQ	156.8760, -23.5050, -86.1690

# Conversions

## Conversions Part 2

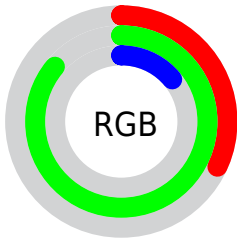
Format	Color
<a href="#">RYB</a>	<a href="#">36, 219, 174</a>
Decimal	<a href="#">5364516</a>
CIELab	<a href="#">77.60, -66.66, 70.31</a>
CIELCh	<a href="#">78, 96.891, 133.473</a>
Yxy	<a href="#">52.5397, 0.3162, 0.5719</a>
Android (android.graphics.Color)	<a href="#">4283554596</a> ( <a href="#">0xFF51DB24</a> )
YUV	<a href="#">156.8760, -59.5919, -66.5433</a>
Hunter-Lab	<a href="#">72.4843, -55.3116, 42.3302</a>

# Details

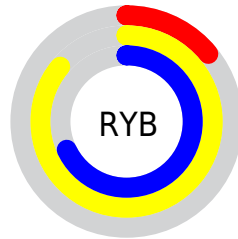
The Yxy color **52.5397, 0.3162, 0.5719** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **15.3682, 0.2693, 0.1341**, and the grayscale version is **33.9516, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5318, 0.3265, 0.5142**, and **26.1944, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **51.8029, 0.3120, 0.5865**, and if you desaturate by 10%, it is **53.5400, 0.3194, 0.5502**.

# Distribution



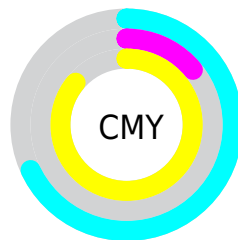
- Red (32%)
- Green (86%)
- Blue (14%)



- Red (14%)
- Yellow (86%)
- Blue (68%)



- Cyan (63%)
- Magenta (0%)
- Yellow (84%)
- Black (14%)




- Cyan (68%)
- Magenta (14%)
- Yellow (86%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.5397, 0.3162, 0.5719 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 52.5397, 0.3162, 0.5719 by changing the saturation by 10% instead.




 52.5397, 0.3162,  
0.5719


 52.5397, 0.3162,  
0.5719


396.5166, 0.3255,  
0.4459


 37.4354, 0.3098,  
0.6021


 93.9267, 0.3226,  
0.5264


 25.5448, 0.2993,  
0.6390


 120.9782, 0.3241,  
0.5092


 16.4834, 0.2819,  
0.6840


 152.7810, 0.3249,  
0.4945

 9.8669, 0.2550,  
0.7450

 189.7193, 0.3254,  
0.4819

 5.3108, 0.2034,  
0.7966

 232.1776, 0.3257,  
0.4711

 2.4307, 0.0847,  
0.9153


 280.5404, 0.3257,


 0.8416, 0.0000,


0.4616


1.0000

335.1919, 0.3257,  
0.4533


 0.0000, 0.0000,  
0.0000


 52.5397, 0.3162,  
0.5719


 52.5397, 0.3162,  
0.5719


 51.8029, 0.3120,  
0.5865

 53.5400, 0.3194,  
0.5502


 51.4438, 0.3093,  
0.5926


 54.8218, 0.3215,  
0.5226


 56.4088, 0.3223,  
0.4911


 58.3201, 0.3219,  
0.4579

 60.5734, 0.3206,  
0.4249

 63.1848, 0.3187,  
0.3933

 66.1695, 0.3163,  
0.3641

 69.5416, 0.3137,  
0.3377

 73.3148, 0.3109,  
0.3141

# Harmonies

## Analogous

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



52.5397, 0.4258, 0.5324



52.5397, 0.3162, 0.5719



52.5397, 0.2110, 0.4868

# Triad

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



52.5397, 0.3162, 0.5719



52.5397, 0.1275, 0.1659



52.5397, 0.5131, 0.2876

# Complementary

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



52.5397, 0.3162, 0.5719



15.3682, 0.2693, 0.1341

# 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.



52.5397, 0.3918, 0.2214



52.5397, 0.3162, 0.5719



52.5397, 0.1736, 0.1552

# Square

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



52.5397, 0.3162, 0.5719



52.5397, 0.1161, 0.2170



52.5397, 0.2626, 0.1746



52.5397, 0.5578, 0.3624



# Rectangle

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



52.5397, 0.3162, 0.5719



52.5397, 0.1588, 0.3803



52.5397, 0.2626, 0.1746



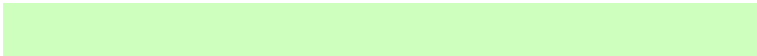
52.5397, 0.4784, 0.2642

# Sweetspot

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



52.5419, 0.3162, 0.5719



88.5509, 0.3191, 0.3984



45.1712, 0.4555, 0.4622



18.6678, 0.3198, 0.4095



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.



52.5419, 0.3162, 0.5719



72.5703, 0.3088, 0.5930



51.6424, 0.2882, 0.5398



14.7603, 0.3152, 0.3529



30.5480, 0.3101, 0.5920



2.0194, 0.3218, 0.5827



# Inverse Universe

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



15.3682, 0.2693, 0.1341



18.4522, 0.2581, 0.1195



19.3495, 0.3810, 0.1971



13.1050, 0.3099, 0.3057



7.8335, 0.2596, 0.1204

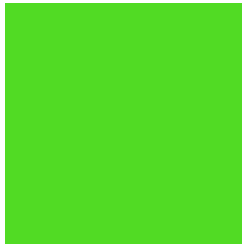


0.5468, 0.2700, 0.1261



# Previews

## White Background



This preview shows how the Yxy color 52.5397, 0.3162, 0.5719 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 52.5397, 0.3162, 0.5719 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 52.5397, 0.3162, 0.5719**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.5397, 0.3162, 0.5719.



This preview shows how white text looks on a background with the Yxy color 52.5397, 0.3162, 0.5719.

# 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

52.5397, 0.3162, 0.5719

### Protanopia

51.6416, 0.4360, 0.4834

### Deuteranopia

51.1151, 0.4573, 0.4468



## Tritanopia

52.2046, 0.2473, 0.3075

# Trichromacy



## Original Color

52.5397, 0.3162, 0.5719



## Protanomaly

49.9792, 0.3846, 0.5215



## Deuteranomaly

48.6291, 0.3979, 0.4974



## Tritanomaly

50.9041, 0.2785, 0.4124

# Monochromacy



## Original Color

52.5397, 0.3162, 0.5719



## Achromatopsia

33.7164, 0.3127, 0.3290



## Achromatomaly

38.5019, 0.3207, 0.4355

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.5397, 0.3162, 0.5719 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(81, 219, 36)` looks like.

```
.text, #text, p{  
    color:rgb(81, 219, 36)  
}
```

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(81, 219, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 219, 36) }
```

## Border

The CSS property to change the border of an element to Yxy 52.5397, 0.3162, 0.5719 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(81, 219, 36) }
```

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

```
.border{ border-color:rgb(81, 219, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 219, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 219, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 219, 36);  
box-shadow:4px 4px 4px 4px rgb(81, 219,  
36) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.5397, 0.3162, 0.5719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 219, 36) }
```

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

```
.background{ background-color: rgb(81, 219,  
36) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor