

Converting Colors

Yxy(52.9266, 0.3626, 0.5503)

Have a look what the booklet for
Yxy(52.9266, 0.3626, 0.5503)
contains.

Yxy(52.9266, 0.3626, 0.5503)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(52.9266, 0.3626, 0.5503)

Conversions

Conversions Part 1

Format	Color
Hex	8FD400
RGB	143, 212, 0
RGB Percent	56%, 83%, 0%
CMY	0.4391, 0.1686, 1.0000
CMYK	0.33, 0.00, 1.00, 0.17
HSL	80°, 100%, 42%
HSV	80°, 100%, 83%
XYZ	34.8740, 52.9266, 8.3771
YIQ	167.2010, 26.9280, -80.5600

Conversions

Conversions Part 2

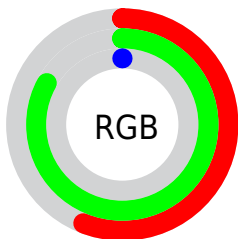
Format	Color
RYB	0, 212, 69
Decimal	9425920
CIELab	77.83, -46.49, 76.72
CIELCh	78, 89.705, 121.219
Yxy	52.9266, 0.3626, 0.5503
Android (android.graphics.Color)	4287616000 (0xFF8FD400)
YUV	167.2010, -82.4301, -21.2243
Hunter-Lab	72.7507, -41.7472, 44.0984

Details

The Yxy color **52.9266, 0.3626, 0.5503** is a dark color, and the websafe version is hex **99CC00**, and the color name is **sheen green**. The color can be described as dark washed chartreuse. A complement of this color would be **6.0180, 0.1726, 0.0725**, and the grayscale version is **39.1507, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7324, 0.3672, 0.5038**, and **25.9988, 0.3423, 0.5664** is the 20% darker color. If you saturate the color by 10%, you get **52.9289, 0.3626, 0.5503**, and if you desaturate by 10%, it is **53.6187, 0.3660, 0.5415**.

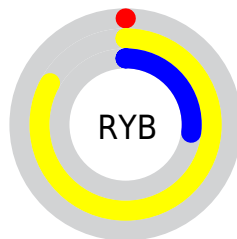
Distribution



Red (56%)

Green (83%)

Blue (0%)



Red (0%)

Yellow (83%)

Blue (27%)

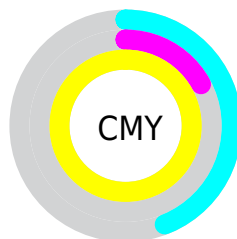


Cyan (33%)

Magenta (0%)

Yellow (100%)

Black (17%)



Cyan (44%)


Magenta (17%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.9266, 0.3626, 0.5503 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 52.9266, 0.3626, 0.5503 by changing the saturation by 10% instead.

 52.9266, 0.3626,
0.5503


 52.9266, 0.3626,
0.5503


398.0035, 0.3497,
0.4411

 37.7442, 0.3611,
0.5743


 94.4964, 0.3614,
0.5125


 25.7842, 0.3565,
0.6024

 121.6525, 0.3598,
0.4977

 16.6623, 0.3475,
0.6371


 153.5686, 0.3581,
0.4848

 9.9940, 0.3270,
0.6730

 190.6292, 0.3564,
0.4737

 5.3950, 0.2894,
0.7106

 233.2185, 0.3546,
0.4640

 2.4808, 0.2301,
0.7699

 281.7211, 0.3529,

 0.8670, 0.0000,

0.4554

1.0000

336.5213, 0.3513,
0.4479

■ 0.0000, 0.0000,
0.0000

■ 52.9266, 0.3626,
0.5503

■ 52.9266, 0.3626,
0.5503

■ 52.9289, 0.3626,
0.5503

■ 53.6187, 0.3660,
0.5415

■ 54.4072, 0.3674,
0.5283

■ 55.3153, 0.3663,
0.5103

■ 56.3546, 0.3628,
0.4881

■ 57.5352, 0.3571,
0.4628

■ 58.8658, 0.3497,
0.4356

■ 60.3544, 0.3411,
0.4078

■ 62.0082, 0.3318,
0.3803

■ 63.8339, 0.3222,
0.3539

Harmonies

Analogous

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



52.9266, 0.4608, 0.4918



52.9266, 0.3626, 0.5503



52.9266, 0.2580, 0.5193

Triad

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



52.9266, 0.3626, 0.5503



52.9266, 0.1290, 0.1905



52.9266, 0.4581, 0.2643

Complementary

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



52.9266, 0.3626, 0.5503



6.0180, 0.1726, 0.0725

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.



52.9266, 0.3350, 0.2069



52.9266, 0.3626, 0.5503



52.9266, 0.1593, 0.1652

Square

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



52.9266, 0.3626, 0.5503



52.9266, 0.1321, 0.2612



52.9266, 0.2269, 0.1722



52.9266, 0.5345, 0.3340

Rectangle

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



52.9266, 0.3626, 0.5503



52.9266, 0.1978, 0.4372



52.9266, 0.2269, 0.1722



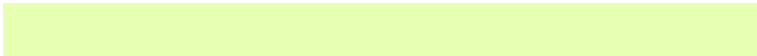
52.9266, 0.4189, 0.2432

Sweetspot

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



52.9289, 0.3626, 0.5503



91.5956, 0.3414, 0.4087



18.0274, 0.5936, 0.3669



19.3933, 0.3451, 0.4205



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.



52.9289, 0.3626, 0.5503



80.2942, 0.3620, 0.5507



47.5160, 0.3055, 0.5956



14.3081, 0.3217, 0.3524



32.7317, 0.3634, 0.5497



2.0181, 0.3733, 0.5418

Inverse Universe

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



6.0180, 0.1726, 0.0725



9.0576, 0.1717, 0.0719



13.6530, 0.2745, 0.1286



12.2029, 0.3032, 0.3053



3.7635, 0.1740, 0.0732



0.2712, 0.1933, 0.0838

Previews

White Background



This preview shows how the Yxy color 52.9266, 0.3626, 0.5503 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 52.9266, 0.3626, 0.5503 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

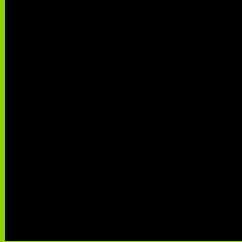
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.9266, 0.3626, 0.5503

Background



This preview shows how black text looks on a background with the Yxy color 52.9266, 0.3626, 0.5503.



This preview shows how white text looks on a background with the Yxy color 52.9266, 0.3626, 0.5503.

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

52.9266, 0.3626, 0.5503

Protanopia

52.2982, 0.4405, 0.4884

Deuteranopia

52.3168, 0.4640, 0.4545



Tritanopia

52.6291, 0.2773, 0.3086

Trichromacy



Original Color

52.9266, 0.3626, 0.5503

Protanomaly

51.6657, 0.4105, 0.5122

Deuteranomaly

51.1936, 0.4267, 0.4916

Tritanomaly

51.0866, 0.3234, 0.4207

Monochromacy



Original Color

52.9266, 0.3626, 0.5503

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

42.1767, 0.3510, 0.4402

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.9266, 0.3626, 0.5503 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(143, 212, 0)` looks like.

```
.text, #text, p{  
    color:rgb(143, 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(143, 212, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 212, 0) }
```

Border

The CSS property to change the border of an element to Yxy 52.9266, 0.3626, 0.5503 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(143, 212, 0) }
```

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

```
.border{ border-color:rgb(143, 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(143, 212, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 212, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 212, 0);  
box-shadow:4px 4px 4px 4px rgb(143, 212,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 52.9266, 0.3626, 0.5503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 212, 0) }
```

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

```
.background{ background-color: rgb(143,  
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](#).

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