

Converting Colors

$Y_{xy}(79.5129, 0.3569, 0.5534)$

Have a look what the booklet for
Yxy(79.5129, 0.3569, 0.5534)
contains.

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Color

Yxy(79.5391, 0.3570, 0.5532)

Conversions

Conversions Part 1

Format	Color
Hex	A5FF09
RGB	165, 255, 9
RGB Percent	65%, 100%, 4%
CMY	0.3529, 0.0000, 0.9638
CMYK	0.35, 0.00, 0.96, 0.00
HSL	82°, 100%, 52%
HSV	82°, 96%, 100%
XYZ	51.3295, 79.5391, 12.9114
YIQ	200.0460, 25.3260, -95.5860

Conversions

Conversions Part 2

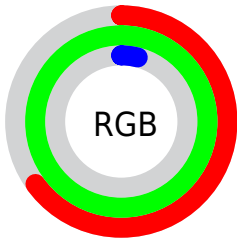
Format	Color
R _Y B	9, 255, 99
Decimal	10878729
CIE Lab	91.48, -56.09, 87.05
CIE LCh	91, 103.556, 122.797
Yxy	79.5391, 0.3570, 0.5532
Android (android.graphics.Color)	4289068809 (0xFFA5FF09)
YUV	200.0460, -94.1857, -30.7353
Hunter-Lab	89.1847, -53.3391, 53.8458

Details

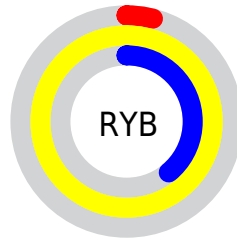
The Yxy color **79.5391, 0.3570, 0.5532** is a dark color, and the websafe version is hex **99FF00**. The color can be described as middle saturated chartreuse. A complement of this color would be **10.0860, 0.1812, 0.0783**, and the grayscale version is **58.3886, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.5333, 0.3798, 0.4857**, and **43.3312, 0.3398, 0.5684** is the 20% darker color. If you saturate the color by 10%, you get **79.1627, 0.3553, 0.5561**, and if you desaturate by 10%, it is **80.6788, 0.3607, 0.5430**.

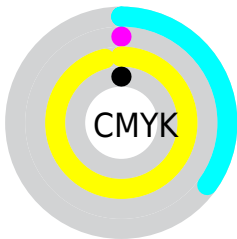
Distribution



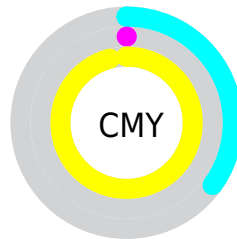
- Red (65%)
- Green (100%)
- Blue (4%)



- Red (4%)
- Yellow (100%)
- Blue (39%)



- Cyan (35%)
- Magenta (0%)
- Yellow (96%)
- Black (0%)





- Cyan (35%)
- Magenta (0%)
- Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.5391, 0.3570, 0.5532 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 79.5391, 0.3570, 0.5532 by changing the saturation by 10% instead.


 79.5391, 0.3570,
0.5532


 79.5391, 0.3570,
0.5532


493.3782, 0.3484,
0.4497

 59.3392, 0.3553,
0.5746


 132.7175, 0.3569,
0.5187


 42.8862, 0.3514,
0.5993


 166.4648, 0.3560,
0.5048


 29.7958, 0.3436,
0.6275


 205.4967, 0.3549,
0.4926

 19.6837, 0.3319,
0.6641

 250.1975, 0.3536,
0.4819

 12.1653, 0.3056,
0.6944

 300.9516, 0.3523,
0.4724

 6.8564, 0.2666,
0.7334


 358.1436, 0.3509,


 3.3724, 0.2091,


0.4640


0.7909


422.1576, 0.3496,
0.4565


 1.3291, 0.0000,
1.0000


 0.1636, 0.0000,
1.0000


 79.5391, 0.3570,
0.5532


 79.5391, 0.3570,
0.5532

 79.1627, 0.3553,
0.5561

 80.6788, 0.3607,
0.5430

 82.0006, 0.3620,
0.5275

 83.5284, 0.3608,
0.5072

 85.2801, 0.3572,
0.4828

■ 87.2710, 0.3516,
0.4558

■ 89.5149, 0.3444,
0.4274

■ 92.0243, 0.3362,
0.3989

■ 94.8108, 0.3274,
0.3712

■ 97.8849, 0.3184,
0.3448

Harmonies

Analogous

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



79.5391, 0.4567, 0.4966



79.5391, 0.3570, 0.5532



79.5391, 0.2522, 0.5159

Triad

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



79.5391, 0.3570, 0.5532



79.5391, 0.1288, 0.1872



79.5391, 0.4649, 0.2672

Complementary

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



79.5391, 0.3570, 0.5532



10.0860, 0.1812, 0.0783

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.



79.5391, 0.3417, 0.2087



79.5391, 0.3570, 0.5532



79.5391, 0.1609, 0.1639

Square

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



79.5391, 0.3570, 0.5532



79.5391, 0.1300, 0.2554



79.5391, 0.2311, 0.1725



79.5391, 0.5378, 0.3376

Rectangle

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



79.5391, 0.3570, 0.5532



79.5391, 0.1928, 0.4304



79.5391, 0.2311, 0.1725



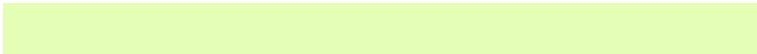
79.5391, 0.4262, 0.2458

Sweetspot

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



79.5410, 0.3570, 0.5532



91.3396, 0.3384, 0.4064



29.5109, 0.5785, 0.3760



19.3207, 0.3420, 0.4185



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.



79.5410, 0.3570, 0.5532



79.1627, 0.3553, 0.5561



72.1235, 0.3045, 0.5946



20.7388, 0.3212, 0.3529



41.4518, 0.3563, 0.5553



4.0980, 0.3635, 0.5496

Inverse Universe

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



10.0860, 0.1812, 0.0783



9.5665, 0.1774, 0.0751



22.3470, 0.2840, 0.1347



17.7015, 0.3036, 0.3048



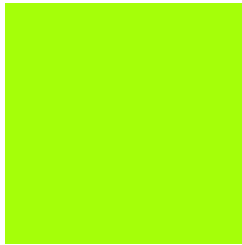
5.0757, 0.1790, 0.0760



0.5536, 0.1914, 0.0828

Previews

White Background



This preview shows how the Yxy color 79.5391, 0.3570, 0.5532 looks on a white background.

Color Contrast Check

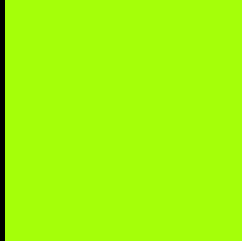
Large Text (above 18pt) WCAG AA × Fail

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 79.5391, 0.3570, 0.5532 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 79.5391, 0.3570, 0.5532

Background



This preview shows how black text looks on a background with the Yxy color 79.5391, 0.3570, 0.5532.



This preview shows how white text looks on a background with the Yxy color 79.5391, 0.3570, 0.5532.

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

79.5391, 0.3570, 0.5532

Protanopia

78.6263, 0.4164, 0.4581

Deuteranopia

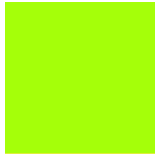
78.5711, 0.3626, 0.3709



Tritanopia

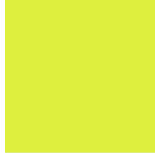
79.1258, 0.2751, 0.3095

Trichromacy



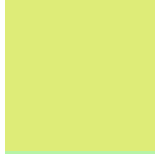
Original Color

79.5391, 0.3570, 0.5532



Protanomaly

77.6104, 0.3972, 0.4983



Deuteranomaly

76.8766, 0.3744, 0.4532



Tritanomaly

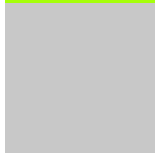
77.5218, 0.3190, 0.4208

Monochromacy



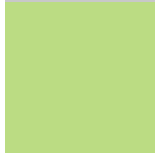
Original Color

79.5391, 0.3570, 0.5532



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

63.3899, 0.3470, 0.4383

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.5391, 0.3570, 0.5532 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(165, 255, 9)` looks like.

```
.text, #text, p{  
    color:rgb(165, 255, 9)  
}
```

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(165, 255, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 255, 9) }
```

Border

The CSS property to change the border of an element to Yxy 79.5391, 0.3570, 0.5532 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(165, 255, 9) }
```

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

```
.border{ border-color:rgb(165, 255, 9) }
```

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

Here you see how a box with a 4 pixel rgb(165, 255, 9) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 255, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 255, 9);  
box-shadow:4px 4px 4px 4px rgb(165, 255,  
9) }
```


Background

The CSS property to change the background color of an element to Yxy 79.5391, 0.3570, 0.5532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 255, 9) }
```

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

```
.background{ background-color: rgb(165,  
255, 9) }
```

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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