

Converting Colors

$Y_{xy}(77.6542, 0.3427, 0.5565)$

Have a look what the booklet for
Yxy(77.6542, 0.3427, 0.5565)
contains.

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Color

Yxy(77.7523, 0.3429, 0.5564)

Conversions

Conversions Part 1

Format	Color
Hex	92FF23
RGB	146, 255, 35
RGB Percent	57%, 100%, 14%
CMY	0.4275, 0.0000, 0.8627
CMYK	0.43, 0.00, 0.86, 0.00
HSL	90°, 100%, 57%
HSV	90°, 86%, 100%
XYZ	47.9174, 77.7523, 14.0720
YIQ	197.3290, 5.6560, -91.5280

Conversions

Conversions Part 2

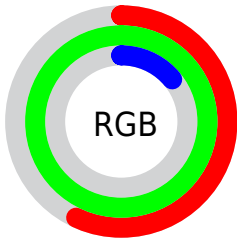
Format	Color
R _Y B	35, 255, 144
Decimal	9633571
CIE Lab	90.67, -61.83, 82.79
CIE LCh	91, 103.328, 126.752
Yxy	77.7523, 0.3429, 0.5564
Android (android.graphics.Color)	4287823651 (0xFF92FF23)
YUV	197.3290, -80.0282, -45.0155
Hunter-Lab	88.1773, -57.3094, 52.2621

Details

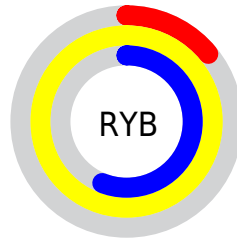
The Yxy color **77.7523, 0.3429, 0.5564** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **14.3530, 0.2149, 0.1023**, and the grayscale version is **56.5359, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8053, 0.3631, 0.4864**, and **41.7263, 0.3257, 0.5796** is the 20% darker color. If you saturate the color by 10%, you get **76.5572, 0.3380, 0.5681**, and if you desaturate by 10%, it is **79.1853, 0.3458, 0.5388**.

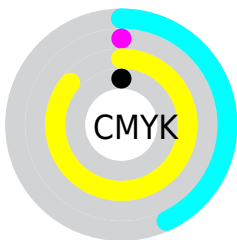
Distribution



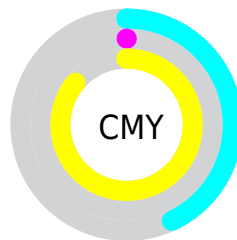
- Red (57%)
- Green (100%)
- Blue (14%)



- Red (14%)
- Yellow (100%)
- Blue (56%)



- Cyan (43%)
- Magenta (0%)
- Yellow (86%)
- Black (0%)





- Cyan (43%)
- Magenta (0%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.7523, 0.3429, 0.5564 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 77.7523, 0.3429, 0.5564 by changing the saturation by 10% instead.


 77.7523, 0.3429,
0.5564


 77.7523, 0.3429,
0.5564

487.3252, 0.3400,
0.4489


 57.8705, 0.3402,
0.5794


 130.2009, 0.3446,
0.5199

 41.7046, 0.3350,
0.6065


 163.5365, 0.3444,
0.5054

 28.8700, 0.3258,
0.6380


 202.1255, 0.3440,
0.4928

 18.9825, 0.3112,
0.6774

 246.3523, 0.3433,
0.4818

 11.6576, 0.2837,
0.7163

 296.6012, 0.3425,
0.4721

 6.5110, 0.2400,
0.7600


353.2568, 0.3417,


 3.1582, 0.1740,

0.4635


0.8260


416.7033, 0.3408,
0.4558


 1.2149, 0.0000,
1.0000


 0.0738, 0.0000,
1.0000


 77.7523, 0.3429,
0.5564


 77.7523, 0.3429,
0.5564


 76.5572, 0.3380,
0.5681

 79.1853, 0.3458,
0.5388

 76.1600, 0.3359,
0.5715


 80.8803, 0.3464,
0.5160


 82.8575, 0.3448,
0.4892

 85.1346, 0.3414,
0.4600

 87.7275, 0.3364,
0.4298

 90.6506, 0.3304,
0.3999

 93.9176, 0.3239,
0.3713

 97.5409, 0.3170,
0.3446

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



77.7523, 0.4450, 0.5073



77.7523, 0.3429, 0.5564



77.7523, 0.2389, 0.5030

Triad

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



77.7523, 0.3429, 0.5564



77.7523, 0.1304, 0.1813



77.7523, 0.4797, 0.2758

Complementary

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



77.7523, 0.3429, 0.5564



14.3530, 0.2149, 0.1023

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.



77.7523, 0.3586, 0.2148



77.7523, 0.3429, 0.5564



77.7523, 0.1673, 0.1627

Square

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



77.7523, 0.3429, 0.5564



77.7523, 0.1271, 0.2426



77.7523, 0.2431, 0.1752



77.7523, 0.5423, 0.3472

Rectangle

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



77.7523, 0.3429, 0.5564



77.7523, 0.1824, 0.4112



77.7523, 0.2431, 0.1752



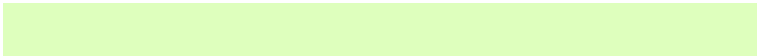
77.7523, 0.4427, 0.2538

Sweetspot

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



77.7524, 0.3429, 0.5564



90.7344, 0.3303, 0.3991



40.5313, 0.5197, 0.4120



19.1953, 0.3324, 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.



77.7524, 0.3429, 0.5564



76.1600, 0.3359, 0.5715



72.0665, 0.3011, 0.5882



20.6184, 0.3192, 0.3530



39.8842, 0.3371, 0.5706



3.9484, 0.3456, 0.5638

Inverse Universe

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



14.3530, 0.2149, 0.1023



11.6820, 0.1995, 0.0873



28.9939, 0.3171, 0.1570



17.8197, 0.3057, 0.3050



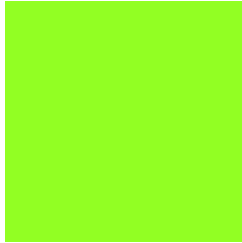
6.1927, 0.2012, 0.0882



0.6678, 0.2135, 0.0950

Previews

White Background



This preview shows how the Yxy color 77.7523, 0.3429, 0.5564 looks on a white background.

Color Contrast Check

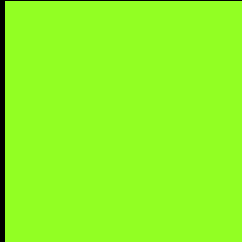
Large Text (above 18pt) WCAG AA × Fail

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 77.7523, 0.3429, 0.5564 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

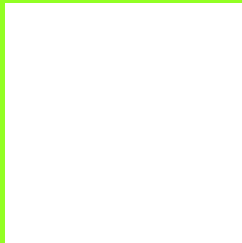
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.7523, 0.3429, 0.5564

Background



This preview shows how black text looks on a background with the Yxy color 77.7523, 0.3429, 0.5564.

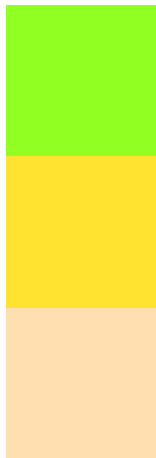


This preview shows how white text looks on a background with the Yxy color 77.7523, 0.3429, 0.5564.

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

77.7523, 0.3429, 0.5564

Protanopia

76.4116, 0.4340, 0.4789

Deuteranopia

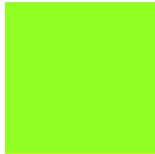
76.6371, 0.3691, 0.3762



Tritanopia

77.2534, 0.2668, 0.3091

Trichromacy



Original Color

77.7523, 0.3429, 0.5564



Protanomaly

75.1899, 0.3979, 0.5093



Deuteranomaly

74.7734, 0.3672, 0.4490



Tritanomaly

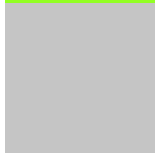
75.9035, 0.3034, 0.4126

Monochromacy



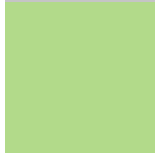
Original Color

77.7523, 0.3429, 0.5564



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

61.4428, 0.3362, 0.4302

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.7523, 0.3429, 0.5564 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(146, 255, 35)` looks like.

```
.text, #text, p{  
    color:rgb(146, 255, 35)  
}
```

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(146, 255, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 255, 35) }
```

Border

The CSS property to change the border of an element to Yxy 77.7523, 0.3429, 0.5564 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(146, 255, 35) }
```

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

```
.border{ border-color:rgb(146, 255, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 255, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 255, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 255, 35);  
box-shadow:4px 4px 4px 4px rgb(146, 255,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 77.7523, 0.3429, 0.5564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 255, 35) }
```

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

```
.background{ background-color: rgb(146,  
255, 35) }
```

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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