

Converting Colors

$Y_{xy}(75.7650, 0.3523, 0.5497)$

Have a look what the booklet for
Yxy(75.7650, 0.3523, 0.5497)
contains.

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Color

Yxy(75.7501, 0.3524, 0.5497)

Conversions

Conversions Part 1

Format	Color
Hex	9EFA21
RGB	158, 250, 33
RGB Percent	62%, 98%, 13%
CMY	0.3803, 0.0196, 0.8711
CMYK	0.37, 0.00, 0.87, 0.02
HSL	85°, 96%, 55%
HSV	85°, 87%, 98%
XYZ	48.5616, 75.7501, 13.4909
YIQ	197.7540, 14.8250, -86.9910

Conversions

Conversions Part 2

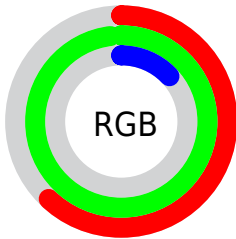
Format	Color
R_{YB}	33, 250, 125
Decimal	10418721
CIE _{Lab}	89.74, -56.07, 82.61
CIE _{LCh}	90, 99.841, 124.166
Yxy	75.7501, 0.3524, 0.5497
Android (android.graphics.Color)	4288608801 (0xFF9EFA21)
YUV	197.7540, -81.2237, -34.8643
Hunter-Lab	87.0345, -52.7149, 51.7339

Details

The Yxy color **75.7501, 0.3524, 0.5497** 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 **12.3337, 0.2018, 0.0949**, and the grayscale version is **56.8068, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5593, 0.3722, 0.4833**, and **40.6813, 0.3368, 0.5708** is the 20% darker color. If you saturate the color by 10%, you get **74.6331, 0.3480, 0.5605**, and if you desaturate by 10%, it is **77.0695, 0.3546, 0.5335**.

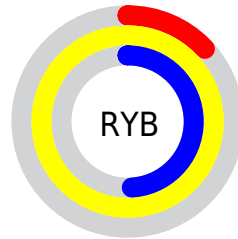
Distribution



Red (62%)

Green (98%)

Blue (13%)



Red (13%)

Yellow (98%)

Blue (49%)

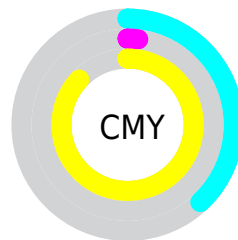


Cyan (37%)

Magenta (0%)

Yellow (87%)

Black (2%)



Cyan (38%)


Magenta (2%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.7501, 0.3524, 0.5497 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 75.7501, 0.3524, 0.5497 by changing the saturation by 10% instead.


 75.7501, 0.3524,
0.5497

 75.7501, 0.3524,
0.5497


480.4918, 0.3449,
0.4460


 56.2276, 0.3507,
0.5717


 127.3736, 0.3525,
0.5146


 40.3854, 0.3466,
0.5975


 160.2434, 0.3517,
0.5006

 27.8392, 0.3388,
0.6273


 198.3311, 0.3507,
0.4884

 18.2045, 0.3265,
0.6655

 242.0211, 0.3496,
0.4778

 11.0969, 0.2998,
0.7002

 291.6978, 0.3484,
0.4684

 6.1320, 0.2583,
0.7417

347.7455, 0.3472,

 2.9255, 0.1950,

0.4601

0.8050

410.5487, 0.3460,
0.4526

■ 1.0930, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 75.7501, 0.3524,
0.5497

■ 75.7501, 0.3524,
0.5497

■ 74.6331, 0.3480,
0.5605

■ 77.0695, 0.3546,
0.5335


■ 74.3105, 0.3464,
0.5632


■ 78.6038, 0.3544,
0.5122


■ 80.3741, 0.3518,
0.4870


■ 82.3960, 0.3473,
0.4590

 84.6834, 0.3412,
0.4299

 87.2490, 0.3340,
0.4008

 90.1044, 0.3262,
0.3726

 93.2606, 0.3182,
0.3460

 96.5406, 0.3119,
0.3242

Harmonies

Analogous

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



75.7501, 0.4512, 0.4981



75.7501, 0.3524, 0.5497



75.7501, 0.2494, 0.5070

Triad

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



75.7501, 0.3524, 0.5497



75.7501, 0.1321, 0.1877



75.7501, 0.4668, 0.2715

Complementary

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



75.7501, 0.3524, 0.5497



12.3337, 0.2018, 0.0949

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.



75.7501, 0.3470, 0.2128



75.7501, 0.3524, 0.5497



75.7501, 0.1655, 0.1661

Square

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



75.7501, 0.3524, 0.5497



75.7501, 0.1319, 0.2528



75.7501, 0.2367, 0.1758



75.7501, 0.5350, 0.3415

Rectangle

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



75.7501, 0.3524, 0.5497



75.7501, 0.1917, 0.4217



75.7501, 0.2367, 0.1758



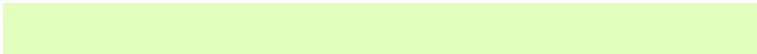
75.7501, 0.4295, 0.2501

Sweetspot

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



75.7534, 0.3524, 0.5497



91.4975, 0.3334, 0.3984



34.6866, 0.5372, 0.3979



19.3760, 0.3360, 0.4084



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.



75.7534, 0.3524, 0.5497



77.7198, 0.3463, 0.5632



69.1858, 0.3038, 0.5868



19.8031, 0.3203, 0.3529



39.5019, 0.3475, 0.5623



3.7210, 0.3557, 0.5557

Inverse Universe

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



12.3337, 0.2018, 0.0949



10.4104, 0.1865, 0.0801



25.1243, 0.3025, 0.1489



17.0024, 0.3046, 0.3050



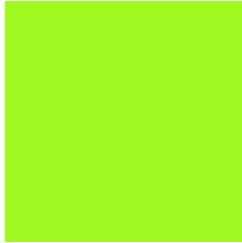
5.3642, 0.1882, 0.0811



0.5578, 0.2015, 0.0883

Previews

White Background



This preview shows how the Yxy color 75.7501, 0.3524, 0.5497 looks on a white background.

Color Contrast Check

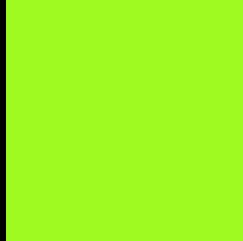
Large Text (above 18pt) WCAG AA × Fail

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 75.7501, 0.3524, 0.5497 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

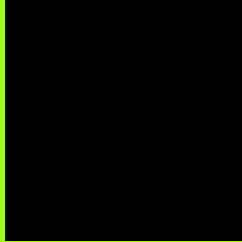
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

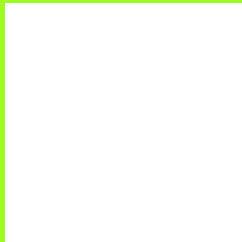
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.7501, 0.3524, 0.5497

Background



This preview shows how black text looks on a background with the Yxy color 75.7501, 0.3524, 0.5497.



This preview shows how white text looks on a background with the Yxy color 75.7501, 0.3524, 0.5497.

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

75.7501, 0.3524, 0.5497

Protanopia

74.7990, 0.4386, 0.4853

Deuteranopia

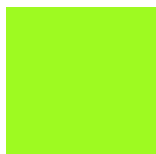
74.7502, 0.3757, 0.3814



Tritanopia

75.4332, 0.2717, 0.3090

Trichromacy



Original Color

75.7501, 0.3524, 0.5497



Protanomaly

73.8302, 0.4049, 0.5107



Deuteranomaly

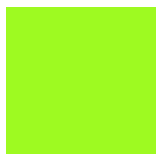
73.1412, 0.3760, 0.4497



Tritanomaly

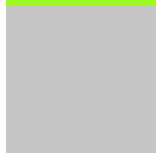
73.8255, 0.3108, 0.4098

Monochromacy



Original Color

75.7501, 0.3524, 0.5497



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

61.5280, 0.3403, 0.4279

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.7501, 0.3524, 0.5497 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(158, 250, 33)` looks like.

```
.text, #text, p{  
    color:rgb(158, 250, 33)  
}
```

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(158, 250, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 250, 33) }
```

Border

The CSS property to change the border of an element to Yxy 75.7501, 0.3524, 0.5497 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(158, 250, 33) }
```

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

```
.border{ border-color:rgb(158, 250, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 250, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 250, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 250, 33);  
box-shadow:4px 4px 4px 4px rgb(158, 250,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 75.7501, 0.3524, 0.5497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 250, 33) }
```

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

```
.background{ background-color: rgb(158,  
250, 33) }
```

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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