

Converting Colors

Yxy(76.3034, 0.3326, 0.5421)

Have a look what the booklet for
Yxy(76.3034, 0.3326, 0.5421)
contains.

Yxy(76.1448, 0.3331, 0.5421)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(76.1448, 0.3331, 0.5421)

Conversions

Conversions Part 1

Format	Color
Hex	8BFD43
RGB	139, 253, 67
RGB Percent	55%, 99%, 26%
CMY	0.4548, 0.0078, 0.7375
CMYK	0.45, 0.00, 0.74, 0.01
HSL	97°, 98%, 63%
HSV	97°, 74%, 99%
XYZ	46.7881, 76.1448, 17.5297
YIQ	197.7100, -8.2380, -82.0140

Conversions

Conversions Part 2

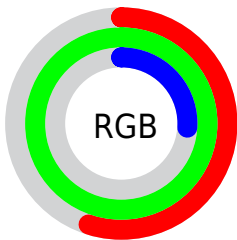
Format	Color
RYB	67, 253, 181
Decimal	9174339
CIELab	89.93, -61.79, 73.83
CIElCh	90, 96.274, 129.925
Yxy	76.1448, 0.3331, 0.5421
Android (android.graphics.Color)	4287364419 (0xFF8BFD43)
YUV	197.7100, -64.4400, -51.4887
Hunter-Lab	87.2610, -56.9976, 49.1720

Details

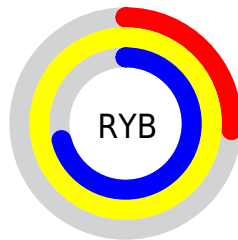
The Yxy color **76.1448, 0.3331, 0.5421** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **20.9100, 0.2508, 0.1353**, and the grayscale version is **56.6909, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3057, 0.3490, 0.4700**, and **40.5667, 0.3227, 0.5820** is the 20% darker color. If you saturate the color by 10%, you get **74.6670, 0.3299, 0.5626**, and if you desaturate by 10%, it is **77.9507, 0.3344, 0.5162**.

Distribution



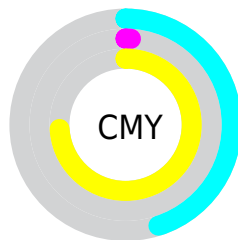
- Red (55%)
- Green (99%)
- Blue (26%)



- Red (26%)
- Yellow (99%)
- Blue (71%)



- Cyan (45%)
- Magenta (0%)
- Yellow (74%)
- Black (1%)




- Cyan (45%)
- Magenta (1%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.1448, 0.3331, 0.5421 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 76.1448, 0.3331, 0.5421 by changing the saturation by 10% instead.


 76.1448, 0.3331,
0.5421


 76.1448, 0.3331,
0.5421


481.8432, 0.3324,
0.4393


 56.5513, 0.3305,
0.5651

 127.9316, 0.3350,
0.5065


 40.6451, 0.3258,
0.5927


 160.8936, 0.3351,
0.4925

 28.0419, 0.3176,
0.6259


 199.0805, 0.3349,
0.4805

 18.3572, 0.3032,
0.6657

 242.8768, 0.3346,
0.4701

 11.2067, 0.2811,
0.7189

 292.6668, 0.3341,
0.4609

 6.2061, 0.2363,
0.7637


348.8350, 0.3336,

 2.9708, 0.1653,

0.4529

0.8347

411.7656, 0.3330,
0.4457


 1.1165, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000

 76.1448, 0.3331,
0.5421

 76.1448, 0.3331,
0.5421


 74.6670, 0.3299,
0.5626


 77.9507, 0.3344,
0.5162

 73.4809, 0.3251,
0.5768

 80.0977, 0.3338,
0.4866

 72.8506, 0.3214,
0.5830

 82.6093, 0.3317,
0.4551

 85.5041, 0.3283,
0.4234

■ 88.7990, 0.3241,
0.3928

■ 92.5101, 0.3194,
0.3641

■ 96.6523, 0.3145,
0.3377

■ 98.7319, 0.3128,
0.3271

Harmonies

Analogous

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



76.1448, 0.4314, 0.5072



76.1448, 0.3331, 0.5421



76.1448, 0.2347, 0.4788

Triad

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



76.1448, 0.3331, 0.5421



76.1448, 0.1406, 0.1853



76.1448, 0.4794, 0.2863

Complementary

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



76.1448, 0.3331, 0.5421



20.9100, 0.2508, 0.1353

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.



76.1448, 0.3691, 0.2259



76.1448, 0.3331, 0.5421



76.1448, 0.1800, 0.1702

Square

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



76.1448, 0.3331, 0.5421



76.1448, 0.1343, 0.2398



76.1448, 0.2573, 0.1850



76.1448, 0.5311, 0.3564

Rectangle

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



76.1448, 0.3331, 0.5421



76.1448, 0.1829, 0.3916



76.1448, 0.2573, 0.1850



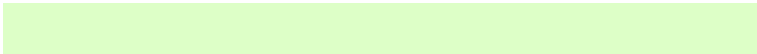
76.1448, 0.4466, 0.2647

Sweetspot

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



76.1481, 0.3331, 0.5421



90.9543, 0.3234, 0.3883



53.3571, 0.4661, 0.4321



19.2606, 0.3247, 0.3963



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.



76.1481, 0.3331, 0.5421



75.4372, 0.3279, 0.5698



72.1072, 0.2967, 0.5472



20.5113, 0.3174, 0.3532



38.8309, 0.3226, 0.5821



3.8416, 0.3313, 0.5751

Inverse Universe

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



20.9100, 0.2508, 0.1353



16.5092, 0.2357, 0.1122



30.8525, 0.3391, 0.1822



17.9284, 0.3076, 0.3051



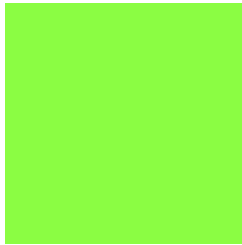
7.5644, 0.2257, 0.1017



0.7996, 0.2364, 0.1076

Previews

White Background



This preview shows how the Yxy color 76.1448, 0.3331, 0.5421 looks on a white background.

Color Contrast Check

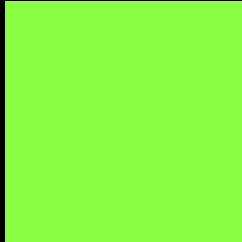
Large Text (above 18pt) WCAG AA × Fail

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 76.1448, 0.3331, 0.5421 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

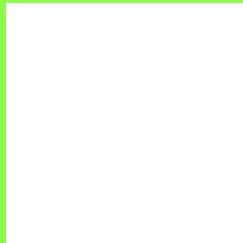
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.1448, 0.3331, 0.5421

Background



This preview shows how black text looks on a background with the Yxy color 76.1448, 0.3331, 0.5421.

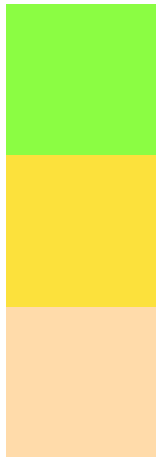


This preview shows how white text looks on a background with the Yxy color 76.1448, 0.3331, 0.5421.

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

76.1448, 0.3331, 0.5421

Protanopia

74.8721, 0.4299, 0.4742

Deuteranopia

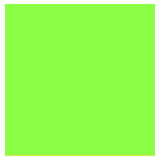
74.8253, 0.3743, 0.3794



Tritanopia

75.6459, 0.2620, 0.3077

Trichromacy



Original Color

76.1448, 0.3331, 0.5421



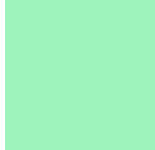
Protanomaly

73.6244, 0.3910, 0.5009



Deuteranomaly

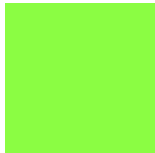
72.9914, 0.3622, 0.4388



Tritanomaly

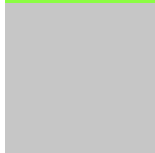
74.3612, 0.2921, 0.3963

Monochromacy



Original Color

76.1448, 0.3331, 0.5421



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

61.6919, 0.3278, 0.4152

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.1448, 0.3331, 0.5421 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(139, 253, 67)` looks like.

```
.text, #text, p{  
    color:rgb(139, 253, 67)  
}
```

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(139, 253, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 253, 67) }
```

Border

The CSS property to change the border of an element to Yxy 76.1448, 0.3331, 0.5421 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(139, 253, 67) }
```

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

```
.border{ border-color:rgb(139, 253, 67) }
```

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

Here you see how a box with a 4 pixel rgb(139, 253, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 253, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 253, 67);  
box-shadow:4px 4px 4px 4px rgb(139, 253,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 76.1448, 0.3331, 0.5421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 253, 67) }
```

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

```
.background{ background-color: rgb(139,  
253, 67) }
```

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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