

Converting Colors

$Yxy(78.3385, 0.3492, 0.5582)$

Have a look what the booklet for
Yxy(78.3385, 0.3492, 0.5582)
contains.

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Color

Yxy(78.3268, 0.3491, 0.5583)

Conversions

Conversions Part 1

Format	Color
Hex	99FF0F
RGB	153, 255, 15
RGB Percent	60%, 100%, 6%
CMY	0.4002, 0.0000, 0.9408
CMYK	0.40, 0.00, 0.94, 0.00
HSL	86°, 100%, 53%
HSV	86°, 94%, 100%
XYZ	48.9770, 78.3268, 12.9913
YIQ	197.1420, 16.2480, -96.2640

Conversions

Conversions Part 2

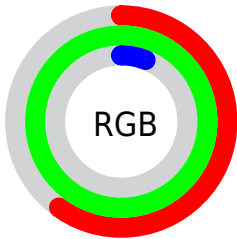
Format	Color
RYB	15, 255, 117
Decimal	10092303
CIELab	90.93, -60.04, 85.90
CIELCh	91, 104.805, 124.954
Yxy	78.3268, 0.3491, 0.5583
Android (android.graphics.Color)	4288282383 (0xFF99FF0F)
YUV	197.1420, -89.7960, -38.7125
Hunter-Lab	88.5024, -56.0977, 53.2485

Details

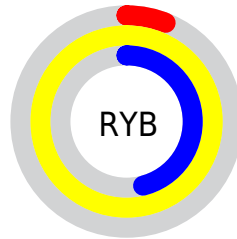
The Yxy color **78.3268, 0.3491, 0.5583** is a dark color, and the websafe version is hex **99FF00**. The color can be described as middle saturated chartreuse. A complement of this color would be **11.3554, 0.1932, 0.0858**, and the grayscale version is **56.4685, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6792, 0.3711, 0.4900**, and **42.1062, 0.3306, 0.5757** is the 20% darker color. If you saturate the color by 10%, you get **77.6802, 0.3461, 0.5634**, and if you desaturate by 10%, it is **79.5485, 0.3530, 0.5461**.

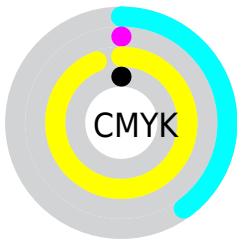
Distribution



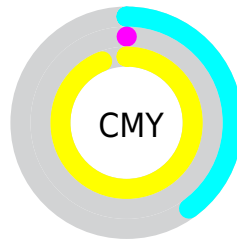
- Red (60%)
- Green (100%)
- Blue (6%)



- Red (6%)
- Yellow (100%)
- Blue (46%)



- Cyan (40%)
- Magenta (0%)
- Yellow (94%)
- Black (0%)





- Cyan (40%)
- Magenta (0%)
- Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.3268, 0.3491, 0.5583 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 78.3268, 0.3491, 0.5583 by changing the saturation by 10% instead.


 78.3268, 0.3491,
0.5583


 78.3268, 0.3491,
0.5583


489.2760, 0.3441,
0.4511


 58.3425, 0.3466,
0.5808

 131.0107, 0.3502,
0.5223

 42.0840, 0.3416,
0.6070


 164.4791, 0.3498,
0.5078


 29.1671, 0.3326,
0.6371


 203.2109, 0.3491,
0.4952

 19.2073, 0.3191,
0.6762

 247.5906, 0.3482,
0.4842

 11.8201, 0.2906,
0.7094

 298.0026, 0.3472,
0.4744

 6.6213, 0.2484,
0.7516


 354.8312, 0.3462,


 3.2264, 0.1858,


0.4658


0.8142


418.4609, 0.3451,
0.4581


 1.2511, 0.0000,
1.0000


 0.1028, 0.0000,
1.0000


 78.3268, 0.3491,
0.5583

 78.3268, 0.3491,
0.5583


 77.6802, 0.3461,
0.5634

 79.5485, 0.3530,
0.5461


 80.9875, 0.3546,
0.5284


 82.6612, 0.3537,
0.5059


 84.5878, 0.3506,
0.4797

 86.7829, 0.3456,
0.4512

 89.2608, 0.3392,
0.4219

 92.0346, 0.3318,
0.3929

 95.1163, 0.3240,
0.3651

 98.5172, 0.3160,
0.3391

Harmonies

Analogous

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



78.3268, 0.4513, 0.5039



78.3268, 0.3491, 0.5583



78.3268, 0.2437, 0.5122

Triad

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



78.3268, 0.3491, 0.5583



78.3268, 0.1278, 0.1822



78.3268, 0.4753, 0.2710

Complementary

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



78.3268, 0.3491, 0.5583



11.3554, 0.1932, 0.0858

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.



78.3268, 0.3512, 0.2107



78.3268, 0.3491, 0.5583



78.3268, 0.1627, 0.1615

Square

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



78.3268, 0.3491, 0.5583



78.3268, 0.1264, 0.2470



78.3268, 0.2365, 0.1723



78.3268, 0.5434, 0.3424

Rectangle

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



78.3268, 0.3491, 0.5583



78.3268, 0.1853, 0.4213



78.3268, 0.2365, 0.1723



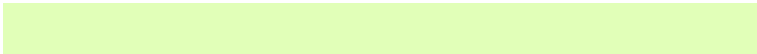
78.3268, 0.4369, 0.2491

Sweetspot

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



78.3226, 0.3491, 0.5583



90.9121, 0.3348, 0.4042



33.5680, 0.5554, 0.3928



19.2058, 0.3380, 0.4167



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.



78.3226, 0.3491, 0.5583



77.6802, 0.3461, 0.5634



71.9135, 0.3023, 0.5950



20.6835, 0.3203, 0.3529



40.6795, 0.3472, 0.5626



4.0252, 0.3551, 0.5563

Inverse Universe

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



11.3554, 0.1932, 0.0858



10.4373, 0.1868, 0.0802



25.2276, 0.3009, 0.1446



17.7554, 0.3046, 0.3049



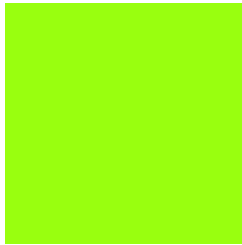
5.5373, 0.1884, 0.0812



0.6019, 0.2010, 0.0881

Previews

White Background



This preview shows how the Yxy color 78.3268, 0.3491, 0.5583 looks on a white background.

Color Contrast Check

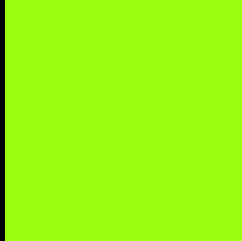
Large Text (above 18pt) WCAG AA × Fail

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 78.3268, 0.3491, 0.5583 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

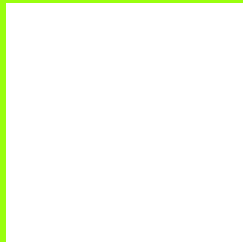
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.3268, 0.3491, 0.5583

Background



This preview shows how black text looks on a background with the Yxy color 78.3268, 0.3491, 0.5583.

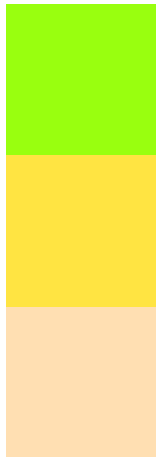


This preview shows how white text looks on a background with the Yxy color 78.3268, 0.3491, 0.5583.

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

78.3268, 0.3491, 0.5583

Protanopia

77.1402, 0.4280, 0.4719

Deuteranopia

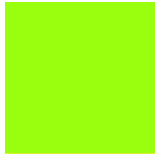
77.2497, 0.3674, 0.3751



Tritanopia

77.9787, 0.2701, 0.3093

Trichromacy



Original Color

78.3268, 0.3491, 0.5583



Protanomaly

76.2597, 0.3987, 0.5067



Deuteranomaly

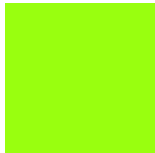
75.6540, 0.3723, 0.4547



Tritanomaly

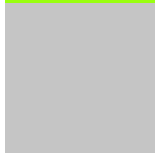
76.4128, 0.3115, 0.4201

Monochromacy



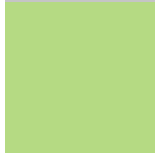
Original Color

78.3268, 0.3491, 0.5583



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

61.6053, 0.3429, 0.4380

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.3268, 0.3491, 0.5583 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(153, 255, 15)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 15)  
}
```

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(153, 255, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 15) }
```

Border

The CSS property to change the border of an element to Yxy 78.3268, 0.3491, 0.5583 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(153, 255, 15) }
```

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

```
.border{ border-color:rgb(153, 255, 15) }
```

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

Here you see how a box with a 4 pixel rgb(153, 255, 15) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 15);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
15) }
```


Background

The CSS property to change the background color of an element to Yxy 78.3268, 0.3491, 0.5583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 255, 15) }
```

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

```
.background{ background-color: rgb(153,  
255, 15) }
```

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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