

Converting Colors

XYZ(49.3647, 78.5233, 13.0179)

Have a look what the booklet for
XYZ(49.3647, 78.5233, 13.0179)
contains.

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Color

**XYZ(49.3638, 78.5231,
13.0067)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 9BFF0F |
| RGB | 155, 255, 15 |
| RGB Percent | 61%, 100%, 6% |
| CMY | 0.3922, 0.0000, 0.9411 |
| CMYK | 0.39, 0.00, 0.94, 0.00 |
| HSL | 85°, 100%, 53% |
| HSV | 85°, 94%, 100% |
| XYZ | 49.3638, 78.5231, 13.0067 |
| YIQ | 197.7400, 17.4400, -95.8400 |

Conversions

Conversions Part 2

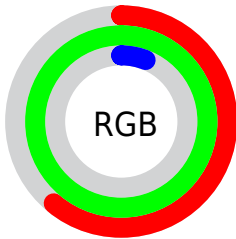
| Format | Color |
|-------------------------------------|--|
| RYB | 15, 255, 115 |
| Decimal | 10223375 |
| CIELab | 91.02, -59.38, 86.01 |
| CIELCh | 91, 104.519, 124.618 |
| Yxy | 78.5231, 0.3504, 0.5573 |
| Android (android.graphics.Color) | 4288413455 (0xFF9BFF0F) |
| YUV | 197.7400, -90.0908, -37.4830 |
| Hunter-Lab | 88.6133, -55.6362, 53.3267 |

Details

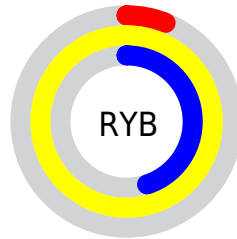
The XYZ color **49.3638, 78.5231, 13.0067** is a dark color, and the websafe version is hex **99FF00**. The color can be described as middle saturated chartreuse. A complement of this color would be **25.2957, 11.2095, 95.4382**, and the grayscale version is **54.0431, 56.8575, 61.9178**.

A 20% lighter version of the original color is **66.2366, 86.9820, 24.6074**, and **24.4805, 42.2597, 6.8667** is the 20% darker color. If you saturate the color by 10%, you get **48.1062, 77.8847, 12.4978**, and if you desaturate by 10%, it is **51.7996, 79.7434, 14.7171**.

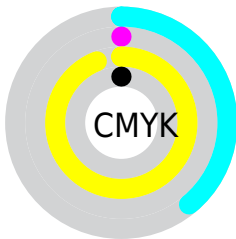
Distribution



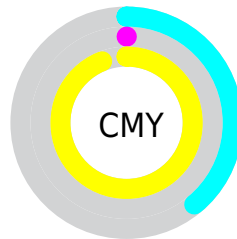
- Red (61%)
- Green (100%)
- Blue (6%)



- Red (6%)
- Yellow (100%)
- Blue (45%)



- Cyan (39%)
- Magenta (0%)
- Yellow (94%)
- Black (0%)





- Cyan (39%)
- Magenta (0%)
- Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.3638, 78.5231, 13.0067 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 XYZ color 49.3638, 78.5231, 13.0067 by changing the saturation by 10% instead.


 49.3638, 78.5231,
13.0067

 49.3638, 78.5231,
13.0067


374.6660,
489.9415, 222.1699


 35.1239, 58.5038,
7.3024


 88.4290, 131.2873,
32.0072

 23.9253, 42.2138,
3.5706


 113.9850,
164.8009, 46.1404


 15.4026, 29.2687,
1.3929


 144.0438,
203.5815, 63.9204

 9.1906, 19.2842,
0.1361

 178.9706,
248.0133, 85.7656

 4.9238, 11.8758,
0.0000

 219.1309,
298.4808, 112.0946

 2.2369, 6.6592,
0.0000

 264.8900,

 0.7621, 3.2499,

355.3685, 143.3260

0.0000

316.6132,
419.0606, 179.8783

■ 0.0000, 1.2635,
0.0000

■ 0.0000, 0.1127,
0.0000

■ 49.3638, 78.5231,
13.0067

■ 49.3638, 78.5231,
13.0067

■ 48.1062, 77.8847,
12.4978

■ 51.7996, 79.7434,
14.7171

■ 54.7059, 81.1733,
17.9438

■ 58.1352, 82.8340,
22.9426

■ 62.1312, 84.7437,
29.9218

66.7319, 86.9180,
39.0605

71.9715, 89.3709,
50.5181

77.8810, 92.1154,
64.4387

84.4892, 95.1633,
80.9547

91.8231, 98.5259,
100.1893

Harmonies

Analogous

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



70.6237, 78.5231, 7.0563



49.3638, 78.5231, 13.0067



37.5417, 78.5231, 37.1163

Triad

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



49.3638, 78.5231, 13.0067



54.9310, 78.5231, 295.4044



137.4813, 78.5231, 74.3267

Complementary

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



49.3638, 78.5231, 13.0067



25.2957, 11.2095, 95.4382

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.



130.4915, 78.5231, 164.1256



49.3638, 78.5231, 13.0067



78.7930, 78.5231, 327.4765

Square

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



49.3638, 78.5231, 13.0067



40.1846, 78.5231, 197.4493



107.3235, 78.5231, 269.4699



124.6533, 78.5231, 26.6704

Rectangle

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



49.3638, 78.5231, 13.0067



34.6626, 78.5231, 72.5809



107.3235, 78.5231, 269.4699



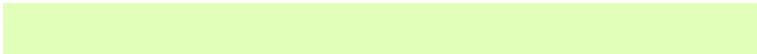
137.3927, 78.5231, 99.8640

Sweetspot

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



49.3639, 78.5231, 13.0078



75.4979, 91.0110, 58.7156



47.4593, 33.5602, 4.4295



15.6206, 19.2295, 11.3067



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.3639, 78.5231, 13.0078



48.1062, 77.8847, 12.4978



36.5406, 71.9124, 12.4077



18.7868, 20.6915, 19.1480



25.3105, 40.7861, 6.5385



2.5889, 4.0354, 0.6425

Inverse Universe

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



25.2957, 11.2095, 95.4382



24.0254, 10.3004, 95.3296



52.4831, 25.2251, 96.7105



17.7202, 17.7475, 22.7416



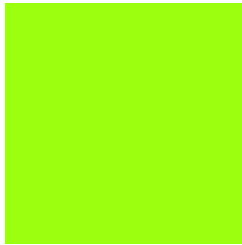
12.7144, 5.4650, 49.8193



1.3589, 0.5945, 4.8564

Previews

White Background



This preview shows how the XYZ color 49.3638, 78.5231, 13.0067 looks on a white background.

Color Contrast Check

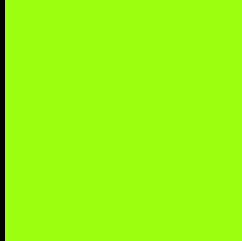
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 49.3638, 78.5231, 13.0067 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](#).

XYZ 49.3638, 78.5231, 13.0067

Background



This preview shows how black text looks on a background with the XYZ color 49.3638, 78.5231, 13.0067.

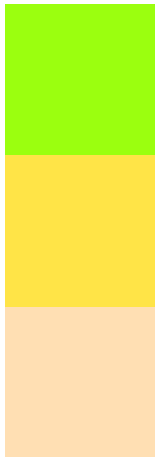


This preview shows how white text looks on a background with the XYZ color 49.3638, 78.5231,

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

49.3638, 78.5231, 13.0067

Protanopia

70.1207, 77.2017, 17.1669

Deuteranopia

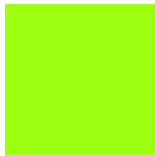
75.7644, 77.2900, 53.5731



Tritanopia

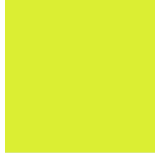
68.3418, 78.1027, 106.0811

Trichromacy



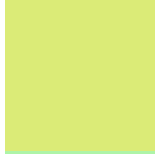
Original Color

49.3638, 78.5231, 13.0067



Protanomaly

60.3855, 76.4482, 14.7053



Deuteranomaly

62.2515, 75.8086, 28.8043



Tritanomaly

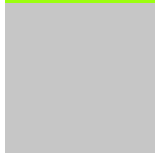
56.8741, 76.5272, 48.8194

Monochromacy



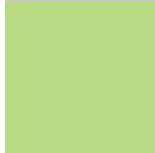
Original Color

49.3638, 78.5231, 13.0067



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

48.7197, 62.2468, 30.9198

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3638, 78.5231, 13.0067 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(155, 255, 15)` looks like.

```
.text, #text, p{  
    color:rgb(155, 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(155, 255, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 255, 15) }
```

Border

The CSS property to change the border of an element to XYZ 49.3638, 78.5231, 13.0067 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(155, 255, 15) }
```


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

```
.border{ border-color:rgb(155, 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(155, 255, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 255, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 255, 15);  
box-shadow:4px 4px 4px 4px rgb(155, 255,  
15) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3638, 78.5231, 13.0067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 255, 15) }
```

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

```
.background{ background-color: rgb(155,  
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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