

Converting Colors

XYZ(48.1891, 77.8995, 13.7635)

Have a look what the booklet for
XYZ(48.1891, 77.8995, 13.7635)
contains.

XYZ(48.2201, 77.9148, 13.7939)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(48.2201, 77.9148,
13.7939)**

Conversions

Conversions Part 1

Format	Color
Hex	94FF1F
RGB	148, 255, 31
RGB Percent	58%, 100%, 12%
CMY	0.4196, 0.0000, 0.8784
CMYK	0.42, 0.00, 0.88, 0.00
HSL	89°, 100%, 56%
HSV	89°, 88%, 100%
XYZ	48.2201, 77.9148, 13.7939
YIQ	197.4710, 8.1320, -92.3480

Conversions

Conversions Part 2

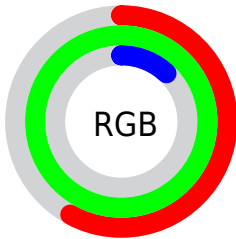
Format	Color
RYB	31, 255, 138
Decimal	9764639
CIELab	90.74, -61.31, 83.59
CIELCh	91, 103.663, 126.259
Yxy	77.9148, 0.3446, 0.5568
Android (android.graphics.Color)	4287954719 (0xFF94FF1F)
YUV	197.4710, -82.0702, -43.3861
Hunter-Lab	88.2694, -56.9598, 52.5233

Details

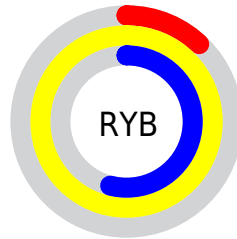
The XYZ color **48.2201, 77.9148, 13.7939** is a dark color, and the websafe version is hex **99FF00**. The color can be described as middle washed chartreuse. A complement of this color would be **29.0243, 13.6055, 95.7041**, and the grayscale version is **53.8350, 56.6386, 61.6795**.

A 20% lighter version of the original color is **64.5027, 86.0546, 26.0425**, and **23.7126, 41.8638, 6.8307** is the 20% darker color. If you saturate the color by 10%, you get **45.9141, 76.7511, 12.5529**, and if you desaturate by 10%, it is **51.0200, 79.3029, 16.4259**.

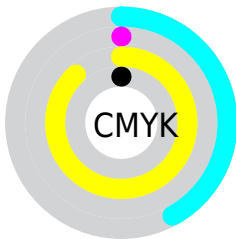
Distribution



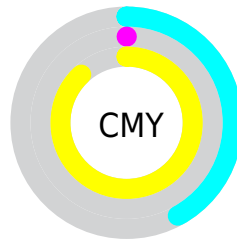
- Red (58%)
- Green (100%)
- Blue (12%)



- Red (12%)
- Yellow (100%)
- Blue (54%)



- Cyan (42%)
- Magenta (0%)
- Yellow (88%)
- Black (0%)





- Cyan (42%)
- Magenta (0%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.2201, 77.9148, 13.7939 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 48.2201, 77.9148, 13.7939 by changing the saturation by 10% instead.


 48.2201, 77.9148,
13.7939


 48.2201, 77.9148,
13.7939


370.2320,
487.8774, 227.3285


 34.2132, 58.0040,
7.8403


 86.7397, 130.4300,
33.4347

 23.2211, 41.8119,
3.9067


 111.9832,
163.8032, 47.9591


 14.8784, 28.9540,
1.5743


 141.7028,
202.4326, 66.1775

 8.8199, 19.0460,
0.2724

 176.2641,
246.7027, 88.5084

 4.6800, 11.7035,
0.0000

 216.0323,
296.9979, 115.3704

 2.0936, 6.5421,
0.0000

261.3727,

 0.6857, 3.1775,

353.7024, 147.1821

0.0000

312.6509,
417.2008, 184.3620

■ 0.0000, 1.2251,
0.0000

■ 0.0000, 0.0820,
0.0000

■ 48.2201, 77.9148,
13.7939

■ 48.2201, 77.9148,
13.7939

■ 45.9141, 76.7511,
12.5529

■ 51.0200, 79.3029,
16.4259

■ 45.4618, 76.5215,
12.3740

■ 54.3767, 80.9413,
20.7432

■ 58.3391, 82.8502,
26.9696

■ 62.9492, 85.0474,
35.2942

68.2447, 87.5484,
45.8829

74.2597, 90.3677,
58.8851

81.0257, 93.5185,
74.4376

88.5723, 97.0132,
92.6667

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



68.7311, 77.9148, 7.2307



48.2201, 77.9148, 13.7939



37.0356, 77.9148, 39.2192

Triad

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



48.2201, 77.9148, 13.7939



55.6758, 77.9148, 295.3539



135.7901, 77.9148, 70.1461

Complementary

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



48.2201, 77.9148, 13.7939



29.0243, 13.6055, 95.7041

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.



129.9763, 77.9148, 156.6296



48.2201, 77.9148, 13.7939



79.6484, 77.9148, 322.0223

Square

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



48.2201, 77.9148, 13.7939



40.5816, 77.9148, 201.0073



107.7816, 77.9148, 260.8856



122.1960, 77.9148, 25.1579

Rectangle

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



48.2201, 77.9148, 13.7939



34.4944, 77.9148, 75.8226



107.7816, 77.9148, 260.8856



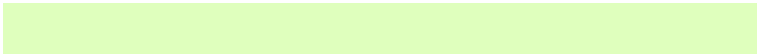
136.0776, 77.9148, 94.5367

Sweetspot

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



48.2203, 77.9149, 13.7951



75.4452, 90.9212, 61.5467



50.2273, 38.8386, 6.1468



15.6744, 19.2394, 12.1145



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.



48.2203, 77.9149, 13.7951



45.4618, 76.5215, 12.3740



36.8248, 72.0403, 13.2618



18.6769, 20.6349, 19.1429



23.9284, 40.0736, 6.4738



2.4560, 3.9669, 0.6362

Inverse Universe

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



29.0243, 13.6055, 95.7041



26.0501, 11.3442, 95.4244



57.0867, 28.0722, 97.0174



17.8286, 17.8034, 22.7467



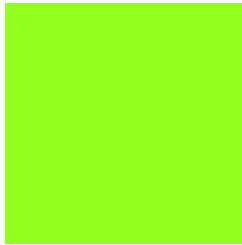
13.7817, 6.0152, 49.8693



1.4671, 0.6502, 4.8615

Previews

White Background



This preview shows how the XYZ color 48.2201, 77.9148, 13.7939 looks on a white background.

Color Contrast Check

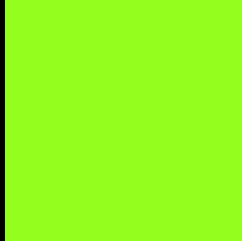
Large Text (above 18pt) WCAG AA × Fail

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 48.2201, 77.9148, 13.7939 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 48.2201, 77.9148, 13.7939

Background



This preview shows how black text looks on a background with the XYZ color 48.2201, 77.9148, 13.7939.



This preview shows how white text looks on a background with the XYZ color 48.2201, 77.9148,

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

48.2201, 77.9148, 13.7939

Protanopia

69.6493, 77.0131, 14.6841

Deuteranopia

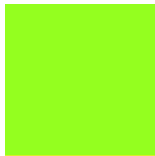
75.2971, 76.6769, 52.4265



Tritanopia

67.1566, 77.4917, 106.0256

Trichromacy



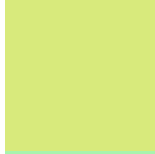
Original Color

48.2201, 77.9148, 13.7939



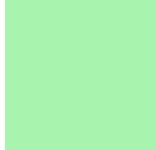
Protanomaly

59.3866, 75.9453, 14.1137



Deuteranomaly

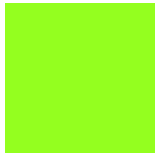
61.3798, 74.8998, 30.2908



Tritanomaly

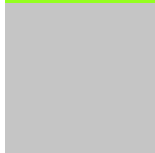
56.1391, 76.0822, 51.7709

Monochromacy



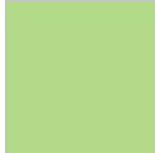
Original Color

48.2201, 77.9148, 13.7939



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

48.1772, 61.5327, 33.0047

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2201, 77.9148, 13.7939 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(148, 255, 31)` looks like.

```
.text, #text, p{  
    color:rgb(148, 255, 31)  
}
```

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(148, 255, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 255, 31) }
```

Border

The CSS property to change the border of an element to XYZ 48.2201, 77.9148, 13.7939 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(148, 255, 31) }
```


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

```
.border{ border-color:rgb(148, 255, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 255, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 255, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 255, 31);  
box-shadow:4px 4px 4px 4px rgb(148, 255,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2201, 77.9148, 13.7939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 255, 31) }
```

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

```
.background{ background-color: rgb(148,  
255, 31) }
```

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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