

Converting Colors

XYZ(51.0144, 79.3661, 13.4386)

Have a look what the booklet for
XYZ(51.0144, 79.3661, 13.4386)
contains.

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Color

**XYZ(51.0189, 79.3684,
13.4413)**

Conversions

Conversions Part 1

Format	Color
Hex	A3FF17
RGB	163, 255, 23
RGB Percent	64%, 100%, 9%
CMY	0.3608, 0.0000, 0.9097
CMYK	0.36, 0.00, 0.91, 0.00
HSL	84°, 100%, 55%
HSV	84°, 91%, 100%
XYZ	51.0189, 79.3684, 13.4413
YIQ	201.0440, 19.6400, -91.6560

Conversions

Conversions Part 2

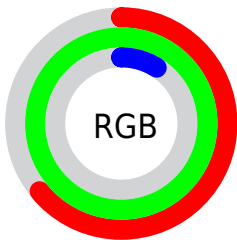
Format	Color
R _Y B	23, 255, 115
Decimal	10747671
CIE Lab	91.40, -56.58, 85.59
CIE LCh	91, 102.602, 123.469
Yxy	79.3684, 0.3547, 0.5518
Android (android.graphics.Color)	4288937751 (0xFFA3FF17)
YUV	201.0440, -87.7757, -33.3646
Hunter-Lab	89.0889, -53.6834, 53.4169

Details

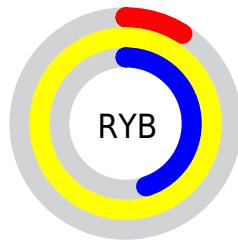
The XYZ color **51.0189, 79.3684, 13.4413** is a dark color, and the websafe version is hex **99FF00**. The color can be described as middle washed chartreuse. A complement of this color would be **25.4301, 11.4801, 95.4833**, and the grayscale version is **56.0649, 58.9846, 64.2343**.

A 20% lighter version of the original color is **68.8007, 88.2874, 25.4716**, and **25.6736, 43.2129, 6.9878** is the 20% darker color. If you saturate the color by 10%, you get **49.0615, 78.3772, 12.5425**, and if you desaturate by 10%, it is **53.5628, 80.6348, 15.5942**.

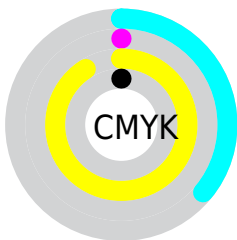
Distribution



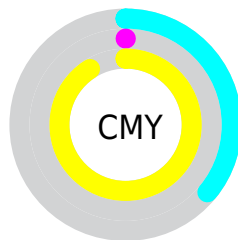
- Red (64%)
- Green (100%)
- Blue (9%)



- Red (9%)
- Yellow (100%)
- Blue (45%)



- Cyan (36%)
- Magenta (0%)
- Yellow (91%)
- Black (0%)





- Cyan (36%)
- Magenta (0%)
- Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.0189, 79.3684, 13.4413 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 51.0189, 79.3684, 13.4413 by changing the saturation by 10% instead.


 51.0189, 79.3684,
13.4413

 51.0189, 79.3684,
13.4413


381.0237,
492.8017, 225.0331

 36.4448, 59.1988,
7.5988


 90.8655, 132.4774,
32.7971


 24.9496, 42.7731,
3.7553


 116.8687,
166.1855, 47.1475


 16.1680, 29.7072,
1.4921


 147.4123,
205.1752, 65.1710

 9.7347, 19.6164,
0.2120

 182.8617,
249.8309, 87.2860

 5.2843, 12.1165,
0.0000

 223.5821,
300.5370, 113.9112

 2.4515, 6.8231,
0.0000

 269.9390,

 0.8709, 3.3517,

357.6780, 145.4651

0.0000

322.2978,
421.6381, 182.3662

■ 0.0000, 1.3180,
0.0000

■ 0.0000, 0.1551,
0.0000

■ 51.0189, 79.3684,
13.4413

■ 51.0189, 79.3684,
13.4413

■ 49.0615, 78.3772,
12.5425

■ 53.5628, 80.6348,
15.5942

■ 56.5789, 82.1097,
19.3492

■ 60.1160, 83.8129,
24.9448

■ 64.2149, 85.7613,
32.5786

68.9119, 87.9696,
42.4230

74.2394, 90.4514,
54.6319

80.2273, 93.2188,
69.3456

86.9032, 96.2833,
86.6934

94.2930, 99.6555,
106.7957

Harmonies

Analogous

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



72.4429, 79.3684, 7.7147



51.0189, 79.3684, 13.4413



38.8714, 79.3684, 36.8234

Triad

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



51.0189, 79.3684, 13.4413



55.1771, 79.3684, 289.1837



137.3970, 79.3684, 78.0151

Complementary

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



51.0189, 79.3684, 13.4413



25.4301, 11.4801, 95.4833

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.



129.8008, 79.3684, 167.7767



51.0189, 79.3684, 13.4413



78.5131, 79.3684, 323.7299

Square

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



51.0189, 79.3684, 13.4413



40.8548, 79.3684, 192.3129



106.6177, 79.3684, 270.1709



125.4915, 79.3684, 28.9396

Rectangle

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



51.0189, 79.3684, 13.4413



35.7718, 79.3684, 71.0875



106.6177, 79.3684, 270.1709



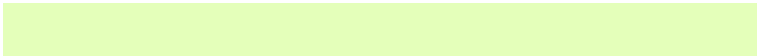
137.0489, 79.3684, 103.8094

Sweetspot

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



51.0190, 79.3684, 13.4424



76.5370, 91.5156, 60.1684



47.1832, 32.8986, 4.6750



15.9579, 19.3917, 11.8546



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.



51.0190, 79.3684, 13.4424



49.0615, 78.3772, 12.5425



37.2345, 72.2623, 12.7973



18.8232, 20.7103, 19.1497



25.8085, 41.0429, 6.5618



2.6360, 4.0597, 0.6447

Inverse Universe

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



25.4301, 11.4801, 95.4833



23.4315, 9.9943, 95.3019



50.3314, 24.3172, 96.6487



17.6846, 17.7292, 22.7399



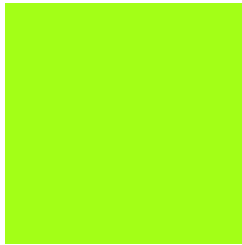
12.4000, 5.3029, 49.8046



1.3262, 0.5776, 4.8549

Previews

White Background



This preview shows how the XYZ color 51.0189, 79.3684, 13.4413 looks on a white background.

Color Contrast Check

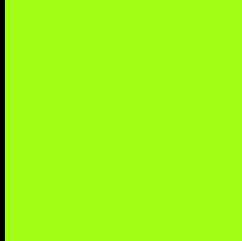
Large Text (above 18pt) WCAG AA × Fail

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 51.0189, 79.3684, 13.4413 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 51.0189, 79.3684, 13.4413

Background



This preview shows how black text looks on a background with the XYZ color 51.0189, 79.3684, 13.4413.

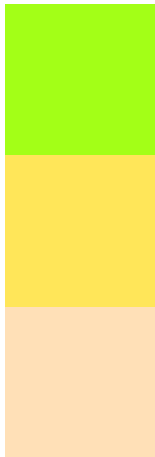


This preview shows how white text looks on a background with the XYZ color 51.0189, 79.3684,

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

51.0189, 79.3684, 13.4413

Protanopia

71.3400, 78.5749, 20.8576

Deuteranopia

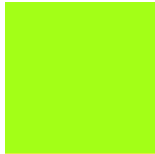
76.4429, 77.9902, 55.8244



Tritanopia

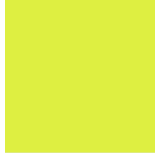
70.0724, 78.9948, 106.1621

Trichromacy



Original Color

51.0189, 79.3684, 13.4413



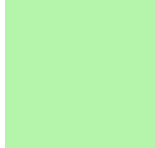
Protanomaly

61.9448, 77.6443, 16.7230



Deuteranomaly

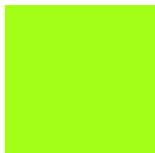
63.5342, 76.4269, 30.8053



Tritanomaly

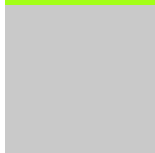
58.7574, 77.4654, 50.3836

Monochromacy



Original Color

51.0189, 79.3684, 13.4413



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

50.7939, 64.0553, 32.9793

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.0189, 79.3684, 13.4413 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(163, 255, 23)` looks like.

```
.text, #text, p{  
    color:rgb(163, 255, 23)  
}
```

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(163, 255, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 255, 23) }
```

Border

The CSS property to change the border of an element to XYZ 51.0189, 79.3684, 13.4413 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(163, 255, 23) }
```


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

```
.border{ border-color:rgb(163, 255, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 255, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 255, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 255, 23);  
box-shadow:4px 4px 4px 4px rgb(163, 255,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 51.0189, 79.3684, 13.4413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 255, 23) }
```

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

```
.background{ background-color: rgb(163,  
255, 23) }
```

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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