

Converting Colors

XYZ(50.3944, 79.0306, 14.1129)

Have a look what the booklet for
XYZ(50.3944, 79.0306, 14.1129)
contains.

XYZ(50.3468, 79.0064, 14.1096)	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(50.3468, 79.0064,
14.1096)**

Conversions

Conversions Part 1

Format	Color
Hex	9FFF22
RGB	159, 255, 34
RGB Percent	62%, 100%, 13%
CMY	0.3765, 0.0000, 0.8666
CMYK	0.38, 0.00, 0.87, 0.00
HSL	86°, 100%, 57%
HSV	86°, 87%, 100%
XYZ	50.3468, 79.0064, 14.1096
YIQ	201.1020, 13.7250, -89.0830

Conversions

Conversions Part 2

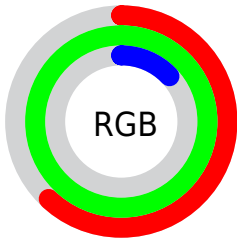
Format	Color
RYB	34, 255, 130
Decimal	10485538
CIELab	91.24, -57.67, 83.68
CIELCh	91, 101.631, 124.573
Yxy	79.0064, 0.3509, 0.5507
Android (android.graphics.Color)	4288675618 (0xFF9FFF22)
YUV	201.1020, -82.3813, -36.9235
Hunter-Lab	88.8855, -54.4432, 52.8082

Details

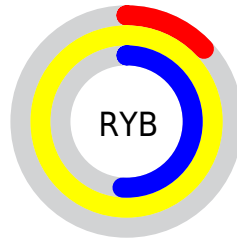
The XYZ color **50.3468, 79.0064, 14.1096** is a dark color, and the websafe version is hex **99FF00**. The color can be described as middle washed chartreuse. A complement of this color would be **27.8308, 13.1120, 95.6718**, and the grayscale version is **56.0707, 58.9907, 64.2409**.

A 20% lighter version of the original color is **67.8250, 87.7556, 26.7284**, and **25.2311, 42.9848, 6.9671** is the 20% darker color. If you saturate the color by 10%, you get **48.0052, 77.8273, 12.7366**, and if you desaturate by 10%, it is **53.1571, 80.3958, 16.9244**.

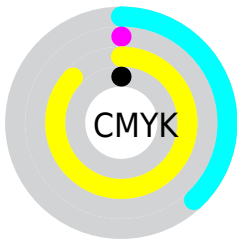
Distribution



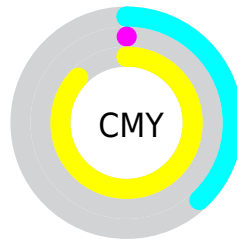
- Red (62%)
- Green (100%)
- Blue (13%)



- Red (13%)
- Yellow (100%)
- Blue (51%)



- Cyan (38%)
- Magenta (0%)
- Yellow (87%)
- Black (0%)





- Cyan (38%)
- Magenta (0%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.3468, 79.0064, 14.1096 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 50.3468, 79.0064, 14.1096 by changing the saturation by 10% instead.


 50.3468, 79.0064,
14.1096

 50.3468, 79.0064,
14.1096


378.4502,
491.5780, 229.3637

 35.9080, 58.9011,
8.0573


 89.8772, 131.9679,
34.0033


 24.5329, 42.5335,
4.0433


 115.6996,
165.5928, 48.6818


 15.8563, 29.5193,
1.6492


 146.0471,
204.4931, 67.0727

 9.5127, 19.4740,
0.3255

 181.2852,
249.0530, 89.5947

 5.1369, 12.0133,
0.0000

 221.7792,
299.6571, 116.6663

 2.3634, 6.7527,
0.0000

267.8944,

 0.8268, 3.3079,

356.6897, 148.7059

0.0000

319.9963,
420.5352, 186.1322

■ 0.0000, 1.2945,
0.0000

■ 0.0000, 0.1370,
0.0000

■ 50.3468, 79.0064,
14.1096

■ 50.3468, 79.0064,
14.1096

■ 48.0052, 77.8273,
12.7366

■ 53.1571, 80.3958,
16.9244

■ 47.3005, 77.4693,
12.4601

■ 56.4927, 82.0186,
21.4512

■ 60.3998, 83.8939,
27.9091

■ 64.9183, 86.0382,
36.4838

70.0836, 88.4661,
47.3389

75.9281, 91.1911,
60.6221

82.4817, 94.2256,
76.4689

89.7722, 97.5813,
95.0043

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.



71.2130, 79.0064, 7.9477



50.3468, 79.0064, 14.1096



38.6538, 79.0064, 38.3602

Triad

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



50.3468, 79.0064, 14.1096



55.7703, 79.0064, 288.2665



136.0804, 79.0064, 75.2032

Complementary

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



50.3468, 79.0064, 14.1096



27.8308, 13.1120, 95.6718

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.



129.2988, 79.0064, 162.4392



50.3468, 79.0064, 14.1096



79.1119, 79.0064, 319.0627

Square

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



50.3468, 79.0064, 14.1096



41.2461, 79.0064, 194.2414



106.8534, 79.0064, 263.6749



123.7082, 79.0064, 28.0249

Rectangle

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



50.3468, 79.0064, 14.1096



35.7885, 79.0064, 73.2930



106.8534, 79.0064, 263.6749



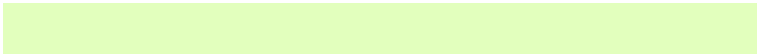
135.9847, 79.0064, 100.1512

Sweetspot

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



50.3469, 79.0065, 14.1107



76.3389, 91.3819, 61.5885



49.4817, 37.2812, 6.1025



15.8860, 19.3486, 12.1245



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.



50.3469, 79.0065, 14.1107



47.3005, 77.4693, 12.4601



37.3034, 72.2823, 13.5003



18.7548, 20.6750, 19.1465



24.8900, 40.5694, 6.5188



2.5488, 4.0147, 0.6406

Inverse Universe

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



27.8308, 13.1120, 95.6718



24.5776, 10.5851, 95.3555



54.6486, 26.9371, 96.9268



17.7516, 17.7637, 22.7431



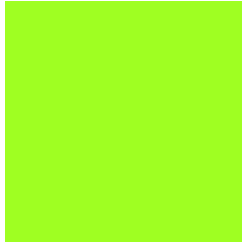
13.0061, 5.6154, 49.8330



1.3889, 0.6099, 4.8578

Previews

White Background



This preview shows how the XYZ color 50.3468, 79.0064, 14.1096 looks on a white background.

Color Contrast Check

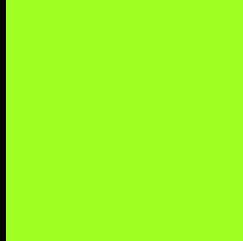
Large Text (above 18pt) WCAG AA × Fail

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 50.3468, 79.0064, 14.1096 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

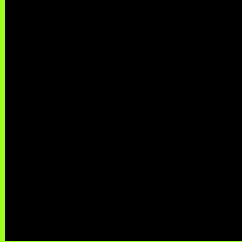
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.3468, 79.0064, 14.1096

Background



This preview shows how black text looks on a background with the XYZ color 50.3468, 79.0064, 14.1096.

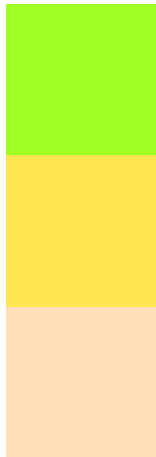


This preview shows how white text looks on a background with the XYZ color 50.3468, 79.0064,

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

50.3468, 79.0064, 14.1096

Protanopia

70.7823, 77.9078, 19.2897

Deuteranopia

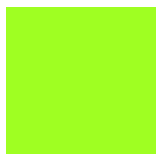
76.3392, 77.9487, 55.2781



Tritanopia

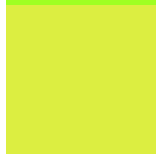
69.3205, 78.6072, 106.1269

Trichromacy



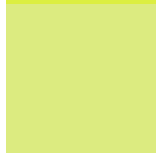
Original Color

50.3468, 79.0064, 14.1096



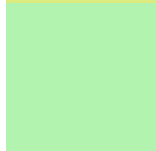
Protanomaly

61.0439, 76.7464, 16.5972



Deuteranomaly

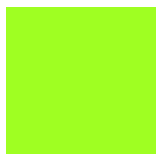
63.1198, 76.1908, 31.8016



Tritanomaly

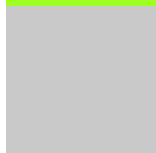
58.4486, 77.2615, 52.3898

Monochromacy



Original Color

50.3468, 79.0064, 14.1096



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

50.8398, 64.0455, 34.4934

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.3468, 79.0064, 14.1096 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(159, 255, 34)` looks like.

```
.text, #text, p{  
    color:rgb(159, 255, 34)  
}
```

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(159, 255, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 255, 34) }
```

Border

The CSS property to change the border of an element to XYZ 50.3468, 79.0064, 14.1096 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(159, 255, 34) }
```


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

```
.border{ border-color:rgb(159, 255, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 255, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 255, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 255, 34);  
box-shadow:4px 4px 4px 4px rgb(159, 255,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 50.3468, 79.0064, 14.1096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 255, 34) }
```

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

```
.background{ background-color: rgb(159,  
255, 34) }
```

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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