

Converting Colors

XYZ(52.0817, 78.7164, 13.3847)

Have a look what the booklet for
XYZ(52.0817, 78.7164, 13.3847)
contains.

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Color

**XYZ(51.9991, 78.4617,
13.3237)**

Conversions

Conversions Part 1

Format	Color
Hex	ACFC19
RGB	172, 252, 25
RGB Percent	67%, 99%, 10%
CMY	0.3255, 0.0117, 0.9019
CMYK	0.32, 0.00, 0.90, 0.01
HSL	81°, 97%, 54%
HSV	81°, 90%, 99%
XYZ	51.9991, 78.4617, 13.3237
YIQ	202.2020, 25.1870, -87.5570

Conversions

Conversions Part 2

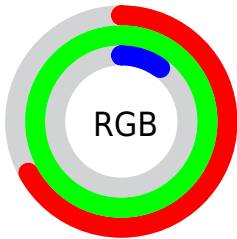
Format	Color
RYB	25, 252, 105
Decimal	11336729
CIELab	90.99, -52.23, 85.17
CIElCh	91, 99.911, 121.517
Yxy	78.4617, 0.3616, 0.5457
Android (android.graphics.Color)	4289526809 (0xFFACFC19)
YUV	202.2020, -87.3606, -26.4872
Hunter-Lab	88.5786, -50.2261, 53.0868

Details

The XYZ color **51.9991, 78.4617, 13.3237** 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 **23.7484, 10.7296, 92.9195**, and the grayscale version is **56.7861, 59.7434, 65.0606**.

A 20% lighter version of the original color is **71.6645, 89.7637, 25.6056**, and **26.1972, 42.4750, 6.8178** is the 20% darker color. If you saturate the color by 10%, you get **49.9533, 77.4299, 12.3127**, and if you desaturate by 10%, it is **54.4210, 79.6660, 15.5514**.

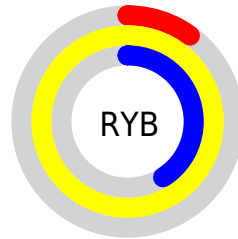
Distribution



Red (67%)

Green (99%)

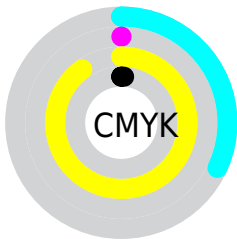
Blue (10%)



Red (10%)

Yellow (99%)

Blue (41%)

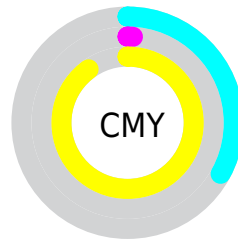


Cyan (32%)

Magenta (0%)

Yellow (90%)

Black (1%)



Cyan (33%)


Magenta (1%)


Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.9991, 78.4617, 13.3237 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 51.9991, 78.4617, 13.3237 by changing the saturation by 10% instead.


 51.9991, 78.4617,
13.3237

 51.9991, 78.4617,
13.3237


384.7571,
489.7334, 224.2621

 37.2286, 58.4533,
7.5185


 92.3041, 131.2008,
32.5838


 25.5590, 42.1732,
3.7051


 118.5694,
164.7003, 46.8757


 16.6250, 29.2369,
1.4650


 149.3970,
203.4656, 64.8337

 10.0611, 19.2601,
0.1916

 185.1523,
247.8811, 86.8761

 5.5021, 11.8584,
0.0000

 226.2006,
298.3313, 113.4217

 2.5825, 6.6473,
0.0000

 272.9072,

 0.9370, 3.2425,

355.2004, 144.8888

0.0000

325.6377,
418.8730, 181.6961

■ 0.0000, 1.2596,
0.0000

■ 0.0000, 0.1096,
0.0000

■ 51.9991, 78.4617,
13.3237

■ 51.9991, 78.4617,
13.3237

■ 49.9533, 77.4299,
12.3127

■ 54.4210, 79.6660,
15.5514

■ 57.2730, 81.0549,
19.3590

■ 60.6022, 82.6504,
24.9740

■ 64.4468, 84.4679,
32.5858

68.8407, 86.5212,
42.3598

73.8139, 88.8227,
54.4443

79.3945, 91.3837,
68.9744

85.6082, 94.2149,
86.0748

92.4790, 97.3261,
105.8618

Harmonies

Analogous

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



73.2999, 78.4617, 8.2381



51.9991, 78.4617, 13.3237



39.5701, 78.4617, 34.8578

Triad

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



51.9991, 78.4617, 13.3237



53.7660, 78.4617, 274.7466



134.2799, 78.4617, 81.8098

Complementary

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



51.9991, 78.4617, 13.3237



23.7484, 10.7296, 92.9195

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.



125.8063, 78.4617, 170.2050



51.9991, 78.4617, 13.3237



75.8658, 78.4617, 312.8903

Square

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



51.9991, 78.4617, 13.3237



40.4169, 78.4617, 180.4810



102.8910, 78.4617, 266.8191



123.9970, 78.4617, 31.4728

Rectangle

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



51.9991, 78.4617, 13.3237



36.1744, 78.4617, 66.5459



102.8910, 78.4617, 266.8191



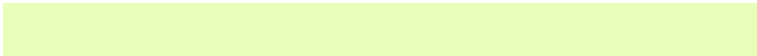
133.5216, 78.4617, 107.5895

Sweetspot

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



52.0009, 78.4652, 13.3254



77.5075, 92.0159, 60.2138



45.3198, 30.7613, 4.4697



16.1876, 19.5101, 11.8653



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.



52.0009, 78.4652, 13.3254



51.3018, 79.5321, 12.6473



36.7955, 70.6265, 12.6138



18.0990, 19.8668, 18.3432



26.1858, 40.4176, 6.4212



2.5401, 3.8026, 0.6001

Inverse Universe

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



23.7484, 10.7296, 92.9195



22.2549, 9.3877, 95.2468



46.8204, 22.6237, 93.9992



16.8602, 16.9406, 21.7665



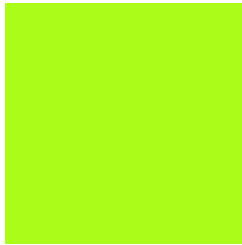
11.4342, 4.8372, 48.3046



1.1692, 0.5048, 4.4790

Previews

White Background



This preview shows how the XYZ color 51.9991, 78.4617, 13.3237 looks on a white background.

Color Contrast Check

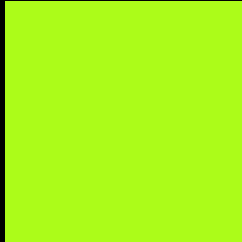
Large Text (above 18pt) WCAG AA × Fail

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 51.9991, 78.4617, 13.3237 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 51.9991, 78.4617, 13.3237

Background



This preview shows how black text looks on a background with the XYZ color 51.9991, 78.4617, 13.3237.



This preview shows how white text looks on a background with the XYZ color 51.9991, 78.4617,

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

51.9991, 78.4617, 13.3237

Protanopia

70.4953, 77.7930, 17.7786

Deuteranopia

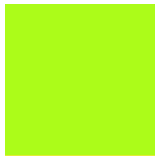
75.8659, 77.3306, 54.1078



Tritanopia

70.1784, 77.8078, 104.2481

Trichromacy



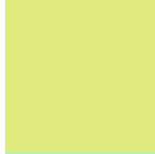
Original Color

51.9991, 78.4617, 13.3237



Protanomaly

62.0493, 76.8614, 15.3068



Deuteranomaly

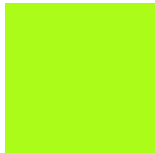
64.1122, 76.3084, 30.4187



Tritanomaly

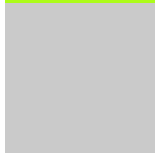
59.4500, 76.5042, 49.6637

Monochromacy



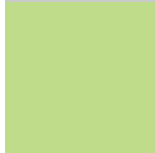
Original Color

51.9991, 78.4617, 13.3237



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

51.6665, 64.0977, 33.6937

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.9991, 78.4617, 13.3237 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(172, 252, 25)` looks like.

```
.text, #text, p{  
    color:rgb(172, 252, 25)  
}
```

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(172, 252, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 252, 25) }
```

Border

The CSS property to change the border of an element to XYZ 51.9991, 78.4617, 13.3237 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(172, 252, 25) }
```


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

```
.border{ border-color:rgb(172, 252, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 252, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 252, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 252, 25);  
box-shadow:4px 4px 4px 4px rgb(172, 252,  
25) }
```

Background

The CSS property to change the background color of an element to XYZ 51.9991, 78.4617, 13.3237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 252, 25) }
```

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

```
.background{ background-color: rgb(172,  
252, 25) }
```

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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