

Converting Colors

XYZ(51.7088, 79.7193, 13.6904)

Have a look what the booklet for
XYZ(51.7088, 79.7193, 13.6904)
contains.

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Color

**XYZ(51.6837, 79.7061,
13.6977)**

Conversions

Conversions Part 1

Format	Color
Hex	A6FF1B
RGB	166, 255, 27
RGB Percent	65%, 100%, 11%
CMY	0.3490, 0.0000, 0.8940
CMYK	0.35, 0.00, 0.89, 0.00
HSL	83°, 100%, 55%
HSV	83°, 89%, 100%
XYZ	51.6837, 79.7061, 13.6977
YIQ	202.3970, 20.1440, -89.7760

Conversions

Conversions Part 2

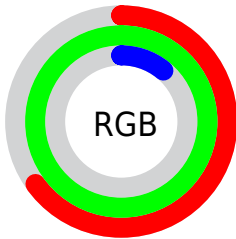
Format	Color
RYB	27, 255, 116
Decimal	10944283
CIELab	91.55, -55.48, 85.22
CIElCh	92, 101.691, 123.065
Yxy	79.7061, 0.3562, 0.5494
Android (android.graphics.Color)	4289134363 (0xFFA6FF1B)
YUV	202.3970, -86.4707, -31.9202
Hunter-Lab	89.2783, -52.9023, 53.3981

Details

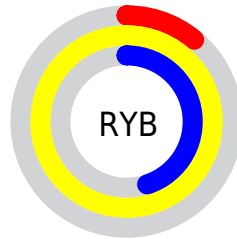
The XYZ color **51.6837, 79.7061, 13.6977** is a dark color, and the websafe version is hex **99FF00**. The color can be described as middle washed chartreuse. A complement of this color would be **25.6474, 11.7190, 95.5180**, and the grayscale version is **56.9034, 59.8668, 65.1950**.

A 20% lighter version of the original color is **69.8368, 88.8102, 26.0317**, and **26.0198, 43.3914, 7.0040** is the 20% darker color. If you saturate the color by 10%, you get **49.4873, 78.5957, 12.6058**, and if you desaturate by 10%, it is **54.2857, 80.9974, 16.0833**.

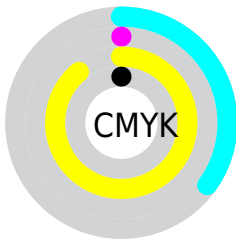
Distribution



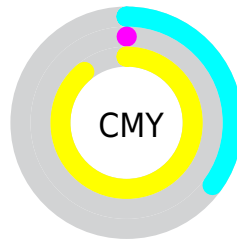
- Red (65%)
- Green (100%)
- Blue (11%)



- Red (11%)
- Yellow (100%)
- Blue (45%)



- Cyan (35%)
- Magenta (0%)
- Yellow (89%)
- Black (0%)





- Cyan (35%)
- Magenta (0%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.6837, 79.7061, 13.6977 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 51.6837, 79.7061, 13.6977 by changing the saturation by 10% instead.


 51.6837, 79.7061,
13.6977

 51.6837, 79.7061,
13.6977

383.5583,
493.9418, 226.7047


 36.9763, 59.4765,
7.7744


 91.8416, 132.9524,
33.2610

 25.3627, 42.9968,
3.8652


 118.0228,
166.7380, 47.7381


 16.4777, 29.8826,
1.5517


 148.7592,
205.8110, 65.9036

 9.9558, 19.7495,
0.2560

 184.4163,
250.5559, 88.1759

 5.4317, 12.2131,
0.0000

 225.3594,
301.3570, 114.9736

 2.5400, 6.8890,
0.0000

271.9539,

 0.9155, 3.3928,

358.5988, 146.7153

0.0000

324.5651,
422.6656, 183.8195

■ 0.0000, 1.3401,
0.0000

■ 0.0000, 0.1719,
0.0000

■ 51.6837, 79.7061,
13.6977

■ 51.6837, 79.7061,
13.6977

■ 49.4873, 78.5957,
12.6058

■ 54.2857, 80.9974,
16.0833

■ 49.3644, 78.5333,
12.5567

■ 57.3634, 82.4980,
20.1116

■ 60.9639, 84.2272,
26.0132

■ 65.1270, 86.2014,
33.9814

69.8881, 88.4349,
44.1850

75.2790, 90.9409,
56.7757

81.3292, 93.7316,
71.8919

88.0656, 96.8180,
89.6613

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.



73.1237, 79.7061, 8.0353



51.6837, 79.7061, 13.6977



39.4375, 79.7061, 36.8465

Triad

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



51.6837, 79.7061, 13.6977



55.3450, 79.7061, 286.4505



137.2418, 79.7061, 79.3737

Complementary

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



51.6837, 79.7061, 13.6977



25.6474, 11.7190, 95.5180

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.



129.4627, 79.7061, 168.8582



51.6837, 79.7061, 13.6977



78.4553, 79.7061, 321.6863

Square

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



51.6837, 79.7061, 13.6977



41.1879, 79.7061, 190.3165



106.3433, 79.7061, 269.8576



125.6898, 79.7061, 29.8703

Rectangle

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



51.6837, 79.7061, 13.6977



36.2631, 79.7061, 70.6633



106.3433, 79.7061, 269.8576



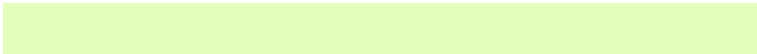
136.8062, 79.7061, 105.1925

Sweetspot

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



51.6838, 79.7061, 13.6988



76.6725, 91.5855, 60.1747



47.5019, 33.4669, 4.9942



15.9900, 19.4082, 11.8561



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.



51.6838, 79.7061, 13.6988



49.3644, 78.5333, 12.5567



37.4589, 72.3729, 13.0331



18.8345, 20.7161, 19.1503



25.9664, 41.1242, 6.5692



2.6508, 4.0673, 0.6454

Inverse Universe

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



25.6474, 11.7190, 95.5180



23.2557, 9.9036, 95.2936



50.5650, 24.5646, 96.6841



17.6737, 17.7235, 22.7394



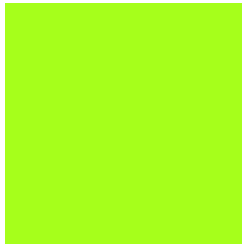
12.3067, 5.2548, 49.8002



1.3164, 0.5726, 4.8544

Previews

White Background



This preview shows how the XYZ color 51.6837, 79.7061, 13.6977 looks on a white background.

Color Contrast Check

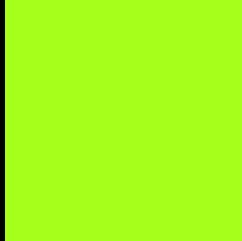
Large Text (above 18pt) WCAG AA × Fail

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 51.6837, 79.7061, 13.6977 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 51.6837, 79.7061, 13.6977

Background



This preview shows how black text looks on a background with the XYZ color 51.6837, 79.7061, 13.6977.



This preview shows how white text looks on a background with the XYZ color 51.6837, 79.7061,

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

51.6837, 79.7061, 13.6977

Protanopia

71.6024, 78.6799, 22.2394

Deuteranopia

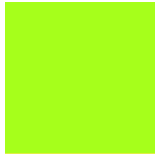
76.9222, 78.6132, 57.0186



Tritanopia

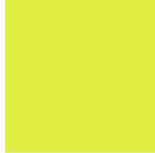
70.5823, 79.2577, 106.1859

Trichromacy



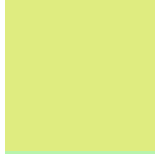
Original Color

51.6837, 79.7061, 13.6977



Protanomaly

62.4034, 77.8632, 17.5344



Deuteranomaly

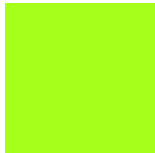
64.3232, 77.2374, 31.9402



Tritanomaly

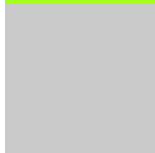
59.5642, 77.8703, 50.9208

Monochromacy



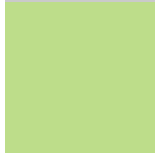
Original Color

51.6837, 79.7061, 13.6977



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

51.4302, 64.3667, 33.7581

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.6837, 79.7061, 13.6977 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(166, 255, 27)` looks like.

```
.text, #text, p{  
    color:rgb(166, 255, 27)  
}
```

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(166, 255, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 255, 27) }
```

Border

The CSS property to change the border of an element to XYZ 51.6837, 79.7061, 13.6977 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(166, 255, 27) }
```


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

```
.border{ border-color:rgb(166, 255, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 255, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 255, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 255, 27);  
box-shadow:4px 4px 4px 4px rgb(166, 255,  
27) }
```

Background

The CSS property to change the background color of an element to XYZ 51.6837, 79.7061, 13.6977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 255, 27) }
```

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

```
.background{ background-color: rgb(166,  
255, 27) }
```

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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