

Converting Colors

XYZ(54.0331, 80.9337, 13.0668)

Have a look what the booklet for
XYZ(54.0331, 80.9337, 13.0668)
contains.

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Color

**XYZ(53.9462, 80.8890,
13.0570)**

Conversions

Conversions Part 1

Format	Color
Hex	B1FF0A
RGB	177, 255, 10
RGB Percent	69%, 100%, 4%
CMY	0.3059, 0.0000, 0.9606
CMYK	0.31, 0.00, 0.96, 0.00
HSL	79°, 100%, 52%
HSV	79°, 96%, 100%
XYZ	53.9462, 80.8890, 13.0570
YIQ	203.7480, 32.1570, -92.7310

Conversions

Conversions Part 2

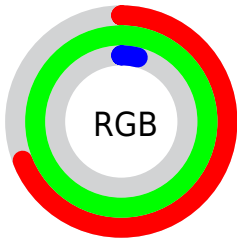
Format	Color
RYB	10, 255, 88
Decimal	11665162
CIELab	92.08, -51.89, 87.72
CIELCh	92, 101.923, 120.607
Yxy	80.8890, 0.3648, 0.5469
Android (android.graphics.Color)	4289855242 (0xFFB1FF0A)
YUV	203.7480, -95.5178, -23.4580
Hunter-Lab	89.9383, -50.3254, 54.3493

Details

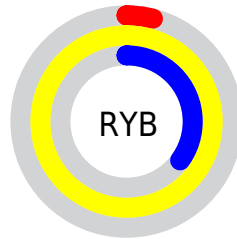
The XYZ color **53.9462, 80.8890, 13.0570** is a dark color, and the websafe version is hex **99FF00**. The color can be described as middle saturated chartreuse. A complement of this color would be **22.1872, 9.5145, 95.2748**, and the grayscale version is **57.8078, 60.8183, 66.2312**.

A 20% lighter version of the original color is **73.1312, 90.5417, 24.6882**, and **27.5302, 44.1701, 7.0747** is the 20% darker color. If you saturate the color by 10%, you get **53.1716, 80.4960, 12.7349**, and if you desaturate by 10%, it is **56.1077, 81.9737, 14.4977**.

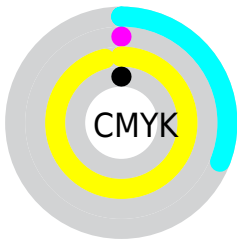
Distribution



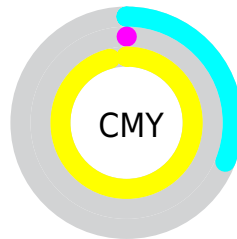
- Red (69%)
- Green (100%)
- Blue (4%)



- Red (4%)
- Yellow (100%)
- Blue (35%)



- Cyan (31%)
- Magenta (0%)
- Yellow (96%)
- Black (0%)





- Cyan (31%)
- Magenta (0%)
- Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.9462, 80.8890, 13.0570 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 53.9462, 80.8890, 13.0570 by changing the saturation by 10% instead.


 53.9462, 80.8890,
13.0570

 53.9462, 80.8890,
13.0570


392.1065,
497.9238, 222.5033


 38.7891, 60.4502,
7.3366


 95.1526, 134.6149,
32.0988

 26.7757, 43.7816,
3.5919


 121.9327,
168.6708, 46.2574


 17.5406, 30.4988,
1.4042


 153.3178,
208.0345, 64.0657

 10.7183, 20.2175,
0.1450

 189.6733,
253.0903, 85.9424

 5.9437, 12.5533,
0.0000

 231.3646,
304.2228, 112.3059

 2.8512, 7.1217,
0.0000

 278.7570,

 1.0756, 3.5383,

361.8163, 143.5749

0.0000

332.2158,
426.2552, 180.1679

0.0045, 1.4188,
0.0000

0.0000, 0.2305,
0.0000

53.9462, 80.8890,
13.0570

53.9462, 80.8890,
13.0570

53.1716, 80.4960,
12.7349

56.1077, 81.9737,
14.4977

58.6566, 83.2262,
17.3931

61.6454, 84.6678,
22.0118

65.1168, 86.3159,
28.5691

69.1074, 88.1851,
37.2490

73.6498, 90.2889,
48.2142

78.7736, 92.6390,
61.6112

84.5057, 95.2466,
77.5746

90.8715, 98.1221,
96.2291

Harmonies

Analogous

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



76.3492, 80.8890, 8.1919



53.9462, 80.8890, 13.0570



40.7654, 80.8890, 34.4826

Triad

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



53.9462, 80.8890, 13.0570



54.6807, 80.8890, 283.5210



139.1839, 80.8890, 86.5522

Complementary

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



53.9462, 80.8890, 13.0570



22.1872, 9.5145, 95.2748

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.



129.7607, 80.8890, 179.7458



53.9462, 80.8890, 13.0570



77.4184, 80.8890, 326.0238

Square

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



53.9462, 80.8890, 13.0570



41.1166, 80.8890, 184.0464



105.5426, 80.8890, 280.1961



129.0043, 80.8890, 33.0828

Rectangle

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



53.9462, 80.8890, 13.0570



37.0709, 80.8890, 66.5314



105.5426, 80.8890, 280.1961



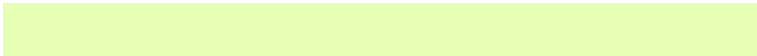
138.1856, 80.8890, 113.8281

Sweetspot

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



53.9463, 80.8890, 13.0581



77.2070, 91.9226, 57.4166



44.7528, 28.1975, 3.3722



16.0581, 19.4608, 11.0683



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.



53.9463, 80.8890, 13.0581



53.1716, 80.4960, 12.7349



37.3877, 72.3528, 12.2832



18.9657, 20.7838, 19.1564



27.9454, 42.1445, 6.6618



2.8346, 4.1620, 0.6540

Inverse Universe

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



22.1872, 9.5145, 95.2748



21.4603, 8.9781, 95.2096



44.7630, 21.1528, 96.3314



17.5474, 17.6584, 22.7335



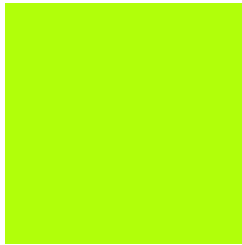
11.3497, 4.7615, 49.7554



1.2129, 0.5192, 4.8496

Previews

White Background



This preview shows how the XYZ color 53.9462, 80.8890, 13.0570 looks on a white background.

Color Contrast Check

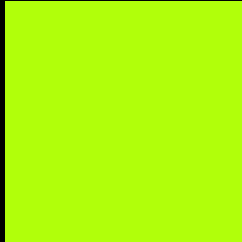
Large Text (above 18pt) WCAG AA × Fail

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 53.9462, 80.8890, 13.0570 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 53.9462, 80.8890, 13.0570

Background



This preview shows how black text looks on a background with the XYZ color 53.9462, 80.8890, 13.0570.

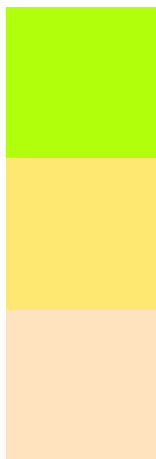


This preview shows how white text looks on a background with the XYZ color 53.9462, 80.8890,

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

53.9462, 80.8890, 13.0570

Protanopia

73.0772, 80.1655, 27.2447

Deuteranopia

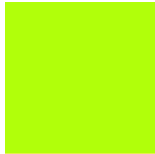
78.0033, 79.9159, 60.0293



Tritanopia

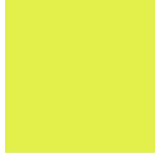
72.9628, 80.4849, 106.2973

Trichromacy



Original Color

53.9462, 80.8890, 13.0570



Protanomaly

64.1431, 79.1729, 18.7387



Deuteranomaly

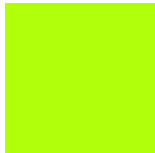
65.6644, 78.3799, 31.0700



Tritanomaly

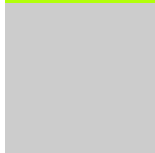
61.4818, 78.9239, 48.0698

Monochromacy



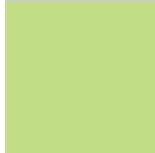
Original Color

53.9462, 80.8890, 13.0570



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

52.8694, 65.9381, 32.1311

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.9462, 80.8890, 13.0570 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(177, 255, 10)` looks like.

```
.text, #text, p{  
    color:rgb(177, 255, 10)  
}
```

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(177, 255, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 255, 10) }
```

Border

The CSS property to change the border of an element to XYZ 53.9462, 80.8890, 13.0570 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(177, 255, 10) }
```


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

```
.border{ border-color:rgb(177, 255, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 255, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 255, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 255, 10);  
box-shadow:4px 4px 4px 4px rgb(177, 255,  
10) }
```

Background

The CSS property to change the background color of an element to XYZ 53.9462, 80.8890, 13.0570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 255, 10) }
```

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

```
.background{ background-color: rgb(177,  
255, 10) }
```

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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