

Converting Colors

XYZ(53.8870, 80.8244, 14.5947)

Have a look what the booklet for
XYZ(53.8870, 80.8244, 14.5947)
contains.

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Color

**XYZ(53.7890, 80.7739,
14.5897)**

Conversions

Conversions Part 1

Format	Color
Hex	AFFF26
RGB	175, 255, 38
RGB Percent	69%, 100%, 15%
CMY	0.3137, 0.0000, 0.8509
CMYK	0.31, 0.00, 0.85, 0.00
HSL	82°, 100%, 57%
HSV	82°, 85%, 100%
XYZ	53.7890, 80.7739, 14.5897
YIQ	206.3420, 21.9770, -84.4470

Conversions

Conversions Part 2

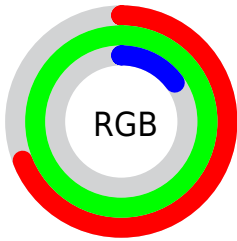
Format	Color
R_YB	38, 255, 118
Decimal	11534118
CIE _L ab	92.03, -52.08, 83.92
CIE _L Ch	92, 98.762, 121.822
Yxy	80.7739, 0.3606, 0.5416
Android (android.graphics.Color)	4289724198 (0xFFAFF26)
YUV	206.3420, -82.9926, -27.4869
Hunter-Lab	89.8743, -50.4493, 53.2872

Details

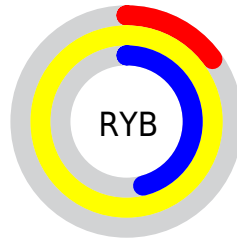
The XYZ color **53.7890, 80.7739, 14.5897** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **26.2168, 12.4597, 95.6309**, and the grayscale version is **59.3920, 62.4850, 68.0462**.

A 20% lighter version of the original color is **73.0059, 90.4144, 27.5138**, and **27.2643, 44.0330, 7.0622** is the 20% darker color. If you saturate the color by 10%, you get **51.4712, 79.6114, 13.0183**, and if you desaturate by 10%, it is **56.5349, 82.1246, 17.6502**.

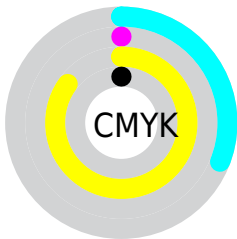
Distribution



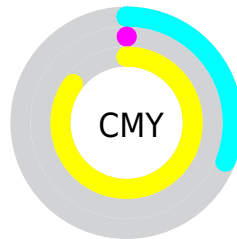
- Red (69%)
- Green (100%)
- Blue (15%)



- Red (15%)
- Yellow (100%)
- Blue (46%)



- Cyan (31%)
- Magenta (0%)
- Yellow (85%)
- Black (0%)





- Cyan (31%)
- Magenta (0%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.7890, 80.7739, 14.5897 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 53.7890, 80.7739, 14.5897 by changing the saturation by 10% instead.


 53.7890, 80.7739,
14.5897


 53.7890, 80.7739,
14.5897


391.5164,
497.5371, 232.4238

 38.6630, 60.3554,
8.3885


 94.9231, 134.4532,
34.8638

 26.6772, 43.7052,
4.2532


 121.6619,
168.4829, 49.7739


 17.4663, 30.4388,
1.7653


 153.0023,
207.8184, 68.4239

 10.6648, 20.1719,
0.4049

 189.3097,
252.8441, 91.2326

 5.9076, 12.5200,
0.0000

 230.9495,
303.9444, 118.6184

 2.8291, 7.0989,
0.0000

278.2869,

 1.0640, 3.5240,

361.5038, 150.9998

0.0000

331.6874,
425.9065, 188.7954

■ 0.0000, 1.4110,
0.0000

■ 0.0000, 0.2248,
0.0000

■ 53.7890, 80.7739,
14.5897

■ 53.7890, 80.7739,
14.5897

■ 51.4712, 79.6114,
13.0183

■ 56.5349, 82.1246,
17.6502

■ 50.4547, 79.0954,
12.6077

■ 59.7612, 83.6847,
22.4573

■ 63.5108, 85.4718,
29.2237

■ 67.8210, 87.5011,
38.1312

■ 72.7248, 89.7861,
49.3405

■ 78.2526, 92.3392,
62.9972

■ 84.4322, 95.1719,
79.2346

■ 91.2895, 98.2949,
98.1767

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.



75.2306, 80.7739, 9.1330



53.7890, 80.7739, 14.5897



41.2619, 80.7739, 37.0463

Triad

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



53.7890, 80.7739, 14.5897



55.9389, 80.7739, 277.8889



136.6795, 80.7739, 83.5760

Complementary

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



53.7890, 80.7739, 14.5897



26.2168, 12.4597, 95.6309

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.



128.3852, 80.7739, 171.9344



53.7890, 80.7739, 14.5897



78.3366, 80.7739, 314.9763

Square

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



53.7890, 80.7739, 14.5897



42.2970, 80.7739, 184.2620



105.5184, 80.7739, 268.4217



126.2097, 80.7739, 32.8840

Rectangle

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



53.7890, 80.7739, 14.5897



37.8612, 80.7739, 69.5112



105.5184, 80.7739, 268.4217



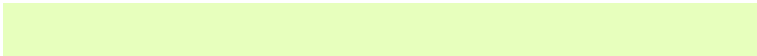
135.9872, 80.7739, 109.3891

Sweetspot

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



53.7891, 80.7739, 14.5908



77.7245, 92.0962, 61.6534



48.0186, 34.2571, 5.9163



16.2153, 19.5183, 12.1399



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.



53.7891, 80.7739, 14.5908



50.4547, 79.0954, 12.6077



38.4211, 72.8514, 13.8716



18.8739, 20.7364, 19.1521



26.5338, 41.4168, 6.5958



2.7040, 4.0947, 0.6478

Inverse Universe

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



26.2168, 12.4597, 95.6309



22.6678, 9.6005, 95.2661



50.1291, 24.7870, 96.7500



17.6355, 17.7038, 22.7376



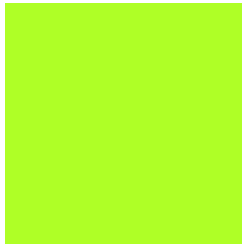
11.9944, 5.0938, 49.7856



1.2833, 0.5555, 4.8529

Previews

White Background



This preview shows how the XYZ color 53.7890, 80.7739, 14.5897 looks on a white background.

Color Contrast Check

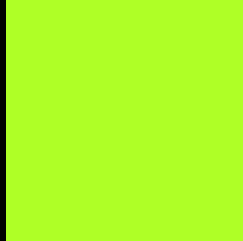
Large Text (above 18pt) WCAG AA × Fail

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 53.7890, 80.7739, 14.5897 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 53.7890, 80.7739, 14.5897

Background



This preview shows how black text looks on a background with the XYZ color 53.7890, 80.7739, 14.5897.

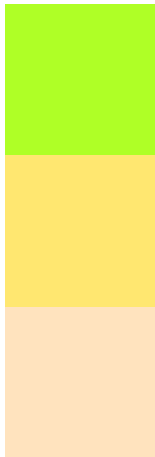


This preview shows how white text looks on a background with the XYZ color 53.7890, 80.7739,

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

53.7890, 80.7739, 14.5897

Protanopia

72.7405, 79.5817, 26.8562

Deuteranopia

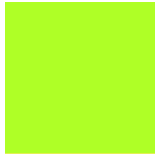
78.0033, 79.9159, 60.0293



Tritanopia

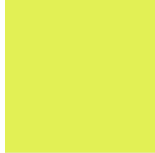
72.4216, 80.2059, 106.2720

Trichromacy



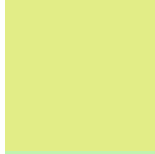
Original Color

53.7890, 80.7739, 14.5897



Protanomaly

64.1638, 79.1448, 20.4890



Deuteranomaly

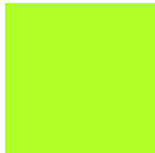
66.0214, 78.4864, 34.5914



Tritanomaly

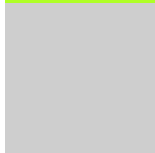
61.9254, 79.0424, 53.0672

Monochromacy



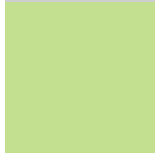
Original Color

53.7890, 80.7739, 14.5897



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

54.2722, 66.9577, 36.8518

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.7890, 80.7739, 14.5897 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(175, 255, 38)` looks like.

```
.text, #text, p{  
    color:rgb(175, 255, 38)  
}
```

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(175, 255, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 255, 38) }
```

Border

The CSS property to change the border of an element to XYZ 53.7890, 80.7739, 14.5897 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(175, 255, 38) }
```


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

```
.border{ border-color:rgb(175, 255, 38) }
```

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

Here you see how a box with a 4 pixel rgb(175, 255, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 255, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 255, 38);  
box-shadow:4px 4px 4px 4px rgb(175, 255,  
38) }
```

Background

The CSS property to change the background color of an element to XYZ 53.7890, 80.7739, 14.5897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 255, 38) }
```

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

```
.background{ background-color: rgb(175,  
255, 38) }
```

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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