

Converting Colors

XYZ(53.7681, 80.5389, 19.8254)

Have a look what the booklet for
XYZ(53.7681, 80.5389, 19.8254)
contains.

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Color

**XYZ(53.9297, 80.7280,
19.9474)**

Conversions

Conversions Part 1

Format	Color
Hex	ABFF4E
RGB	171, 255, 78
RGB Percent	67%, 100%, 31%
CMY	0.3294, 0.0000, 0.6941
CMYK	0.33, 0.00, 0.69, 0.00
HSL	88°, 100%, 65%
HSV	88°, 69%, 100%
XYZ	53.9297, 80.7280, 19.9474
YIQ	209.7060, 6.7530, -72.8550

Conversions

Conversions Part 2

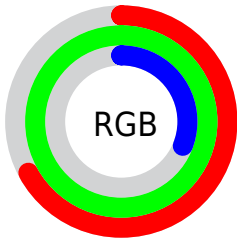
Format	Color
RYB	78, 255, 162
Decimal	11272014
CIELab	92.01, -51.63, 72.64
CIELCh	92, 89.113, 125.404
Yxy	80.7280, 0.3488, 0.5222
Android (android.graphics.Color)	4289462094 (0xFFABFF4E)
YUV	209.7060, -64.9311, -33.9452
Hunter-Lab	89.8488, -50.0947, 49.7311

Details

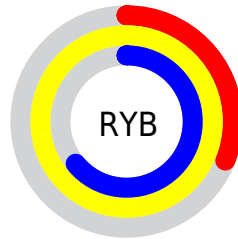
The XYZ color **53.9297, 80.7280, 19.9474** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **35.6765, 20.3518, 96.6557**, and the grayscale version is **61.4749, 64.6764, 70.4326**.

A 20% lighter version of the original color is **73.1589, 90.2865, 36.8637**, and **26.8762, 43.8329, 7.0441** is the 20% darker color. If you saturate the color by 10%, you get **50.6690, 79.1329, 15.9126**, and if you desaturate by 10%, it is **57.7863, 82.5892, 25.8612**.

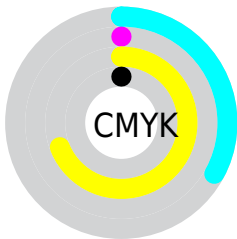
Distribution



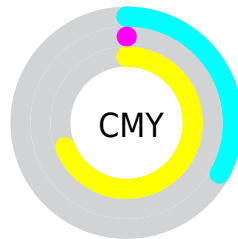
- Red (67%)
- Green (100%)
- Blue (31%)



- Red (31%)
- Yellow (100%)
- Blue (64%)



- Cyan (33%)
- Magenta (0%)
- Yellow (69%)
- Black (0%)




- Cyan (33%)
- Magenta (0%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.9297, 80.7280, 19.9474 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 53.9297, 80.7280, 19.9474 by changing the saturation by 10% instead.


 53.9297, 80.7280,
19.9474


 53.9297, 80.7280,
19.9474


392.0446,
497.3829, 264.2250

 38.7759, 60.3176,
12.1731


 95.1285, 134.3888,
44.1868


 26.7654, 43.6747,
6.7377


 121.9042,
168.4080, 61.4890

 17.5328, 30.4148,
3.2227


 153.2847,
207.7322, 82.8042

 10.7127, 20.1537,
1.2094

 189.6351,
252.7458, 108.5510

 5.9399, 12.5068,
0.0000

231.3210,
303.8334, 139.1480

 2.8489, 7.0898,
0.0000

278.7076,

 1.0743, 3.5183,

361.3791, 175.0136

0.0000

332.1604,
425.7675, 216.5664

0.0035, 1.4080,
0.0000

0.0000, 0.2226,
0.0000

53.9297, 80.7280,
19.9474

53.9297, 80.7280,
19.9474

50.6690, 79.1329,
15.9126

57.7863, 82.5892,
25.8612

47.9538, 77.7833,
13.5235

62.2813, 84.7344,
33.8439

45.7106, 76.6488,
12.4287

67.4527, 87.1795,
44.0656

45.5880, 76.5865,
12.3799

73.3353, 89.9390,
56.6781

■ 79.9607, 93.0263,
71.8200

■ 87.3586, 96.4537,
89.6191

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.



72.6545, 80.7280, 12.6179



53.9297, 80.7280, 19.9474



43.2350, 80.7280, 45.1442

Triad

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



53.9297, 80.7280, 19.9474



59.8129, 80.7280, 259.7982



129.4840, 80.7280, 76.5430

Complementary

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



53.9297, 80.7280, 19.9474



35.6765, 20.3518, 96.6557

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.



124.1692, 80.7280, 151.5754



53.9297, 80.7280, 19.9474



80.9542, 80.7280, 282.8755

Square

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



53.9297, 80.7280, 19.9474



46.1280, 80.7280, 183.1422



105.1905, 80.7280, 236.0843



118.5372, 80.7280, 33.1887

Rectangle

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



53.9297, 80.7280, 19.9474



40.6573, 80.7280, 78.1703



105.1905, 80.7280, 236.0843



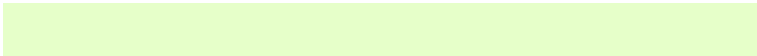
129.5607, 80.7280, 98.4033

Sweetspot

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



53.9298, 80.7280, 19.9486



78.8559, 92.5127, 69.2369



55.2910, 47.1615, 13.3978



16.4778, 19.6151, 13.8936



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.



53.9298, 80.7280, 19.9486



49.6342, 78.6213, 14.8787



40.7831, 73.9506, 19.3333



18.6825, 20.6377, 19.1431



23.9945, 40.1077, 6.4769



2.4625, 3.9702, 0.6365

Inverse Universe

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



35.6765, 20.3518, 96.6557



30.3930, 14.8845, 95.8788



59.8775, 32.8278, 97.7883



17.8230, 17.8005, 22.7464



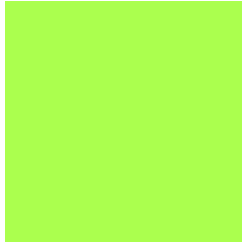
13.7229, 5.9849, 49.8665



1.4612, 0.6472, 4.8612

Previews

White Background



This preview shows how the XYZ color 53.9297, 80.7280, 19.9474 looks on a white background.

Color Contrast Check

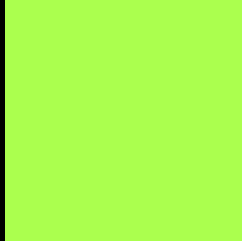
Large Text (above 18pt) WCAG AA × Fail

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 53.9297, 80.7280, 19.9474 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

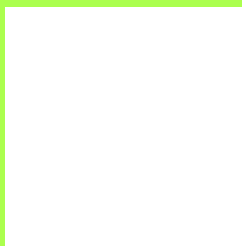
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 53.9297, 80.7280, 19.9474

Background



This preview shows how black text looks on a background with the XYZ color 53.9297, 80.7280, 19.9474.



This preview shows how white text looks on a background with the XYZ color 53.9297, 80.7280,

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

53.9297, 80.7280, 19.9474

Protanopia

72.7966, 79.6041, 27.1511

Deuteranopia

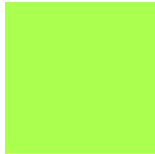
77.8403, 79.4143, 60.5161



Tritanopia

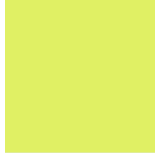
72.1777, 80.5112, 106.3438

Trichromacy



Original Color

53.9297, 80.7280, 19.9474



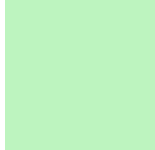
Protanomaly

64.2008, 79.0876, 23.9383



Deuteranomaly

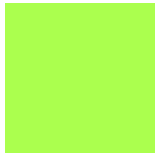
66.5297, 78.6177, 40.5224



Tritanomaly

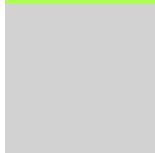
62.7409, 79.2818, 61.2863

Monochromacy



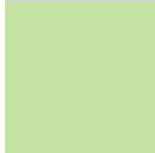
Original Color

53.9297, 80.7280, 19.9474



Achromatopsia

61.2578, 64.4480, 70.1838



Achromatomaly

56.4829, 68.7371, 44.4730

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.9297, 80.7280, 19.9474 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(171, 255, 78)` looks like.

```
.text, #text, p{  
    color:rgb(171, 255, 78)  
}
```

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(171, 255, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 255, 78) }
```

Border

The CSS property to change the border of an element to XYZ 53.9297, 80.7280, 19.9474 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(171, 255, 78) }
```


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

```
.border{ border-color:rgb(171, 255, 78) }
```

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

Here you see how a box with a 4 pixel rgb(171, 255, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 255, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 255, 78);  
box-shadow:4px 4px 4px 4px rgb(171, 255,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 53.9297, 80.7280, 19.9474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 255, 78) }
```

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

```
.background{ background-color: rgb(171,  
255, 78) }
```

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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