

Converting Colors

XYZ(53.2342, 80.4870, 14.6051)

Have a look what the booklet for
XYZ(53.2342, 80.4870, 14.6051)
contains.

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Color

**XYZ(53.1395, 80.4371,
14.6446)**

Conversions

Conversions Part 1

Format	Color
Hex	ACFF27
RGB	172, 255, 39
RGB Percent	67%, 100%, 15%
CMY	0.3255, 0.0000, 0.8470
CMYK	0.33, 0.00, 0.85, 0.00
HSL	83°, 100%, 58%
HSV	83°, 85%, 100%
XYZ	53.1395, 80.4371, 14.6446
YIQ	205.5590, 19.8680, -84.7720

Conversions

Conversions Part 2

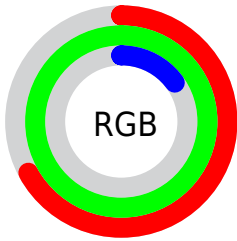
Format	Color
RYB	39, 255, 122
Decimal	11337511
CIELab	91.88, -53.10, 83.53
CIELCh	92, 98.978, 122.443
Yxy	80.4371, 0.3585, 0.5427
Android (android.graphics.Color)	4289527591 (0xFFACFF27)
YUV	205.5590, -82.1136, -29.4312
Hunter-Lab	89.6867, -51.1903, 53.0995

Details

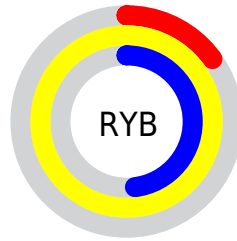
The XYZ color **53.1395, 80.4371, 14.6446** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **26.8038, 12.8104, 95.6677**, and the grayscale version is **58.8842, 61.9507, 67.4643**.

A 20% lighter version of the original color is **72.0710, 89.9263, 27.7463**, and **26.8762, 43.8329, 7.0441** is the 20% darker color. If you saturate the color by 10%, you get **50.7771, 79.2528, 13.0194**, and if you desaturate by 10%, it is **55.9441, 81.8167, 17.7710**.

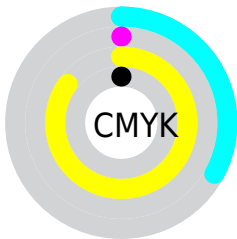
Distribution



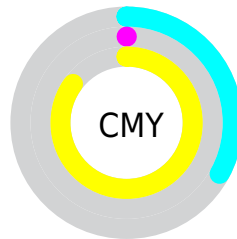
- Red (67%)
- Green (100%)
- Blue (15%)



- Red (15%)
- Yellow (100%)
- Blue (48%)



- Cyan (33%)
- Magenta (0%)
- Yellow (85%)
- Black (0%)





- Cyan (33%)
- Magenta (0%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.1395, 80.4371, 14.6446 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 53.1395, 80.4371, 14.6446 by changing the saturation by 10% instead.


 53.1395, 80.4371,
14.6446


 53.1395, 80.4371,
14.6446


389.0722,
496.4047, 232.7711


 38.1421, 60.0781,
8.4265


 93.9739, 133.9801,
34.9619

 26.2707, 43.4816,
4.2774


 120.5416,
167.9329, 49.8982


 17.1600, 30.2632,
1.7787

 151.6968,
207.1857, 68.5777

 10.4446, 20.0384,
0.4139

 187.8048,
252.1230, 91.4188

 5.7593, 12.4230,
0.0000

 229.2310,
303.1292, 118.8402

 2.7385, 7.0324,
0.0000

276.3407,

 1.0170, 3.4824,

360.5886, 151.2603

0.0000

329.4993,
424.8856, 189.0978

■ 0.0000, 1.3885,
0.0000

■ 0.0000, 0.2082,
0.0000

■ 53.1395, 80.4371,
14.6446

■ 53.1395, 80.4371,
14.6446

■ 50.7771, 79.2528,
13.0194

■ 55.9441, 81.8167,
17.7710

■ 49.6661, 78.6889,
12.5708

■ 59.2426, 83.4125,
22.6536

■ 63.0785, 85.2423,
29.5037

■ 67.4890, 87.3214,
38.5020

■ 72.5076, 89.6635,
49.8088

■ 78.1648, 92.2812,
63.5690

■ 84.4885, 95.1860,
79.9157

■ 91.5051, 98.3886,
98.9723

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.



74.3906, 80.4371, 8.9975



53.1395, 80.4371, 14.6446



40.8251, 80.4371, 37.5163

Triad

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



53.1395, 80.4371, 14.6446



56.0187, 80.4371, 279.2124



136.3369, 80.4371, 81.7558

Complementary

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



53.1395, 80.4371, 14.6446



26.8038, 12.8104, 95.6677

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.



128.4161, 80.4371, 169.4956



53.1395, 80.4371, 14.6446



78.5533, 80.4371, 314.7007

Square

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



53.1395, 80.4371, 14.6446



42.2104, 80.4371, 186.0398



105.7479, 80.4371, 266.4988



125.4976, 80.4371, 31.9501

Rectangle

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



53.1395, 80.4371, 14.6446



37.5505, 80.4371, 70.4522



105.7479, 80.4371, 266.4988



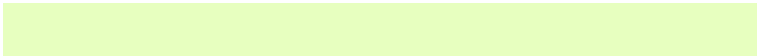
135.7794, 80.4371, 107.2858

Sweetspot

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



53.1396, 80.4372, 14.6458



77.9860, 92.1988, 63.1204



48.5424, 35.2785, 6.1715



16.2523, 19.5312, 12.4196



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.



53.1396, 80.4372, 14.6458



49.6661, 78.6889, 12.5708



38.2546, 72.7637, 13.9492



18.8456, 20.7218, 19.1508



26.1235, 41.2052, 6.5766



2.6656, 4.0749, 0.6460

Inverse Universe

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



26.8038, 12.8104, 95.6677



23.0862, 9.8162, 95.2857



51.3454, 25.4621, 96.8162



17.6629, 17.7180, 22.7389



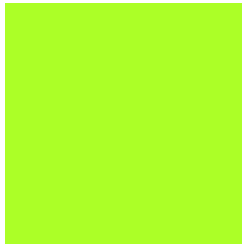
12.2168, 5.2085, 49.7960



1.3070, 0.5677, 4.8540

Previews

White Background



This preview shows how the XYZ color 53.1395, 80.4371, 14.6446 looks on a white background.

Color Contrast Check

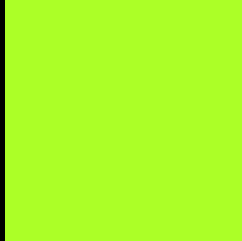
Large Text (above 18pt) WCAG AA × Fail

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 53.1395, 80.4371, 14.6446 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

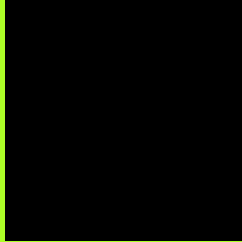
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 53.1395, 80.4371, 14.6446

Background



This preview shows how black text looks on a background with the XYZ color 53.1395, 80.4371, 14.6446.

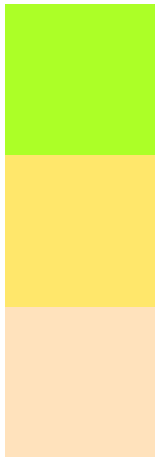


This preview shows how white text looks on a background with the XYZ color 53.1395, 80.4371,

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

53.1395, 80.4371, 14.6446

Protanopia

72.4698, 79.4734, 25.4302

Deuteranopia

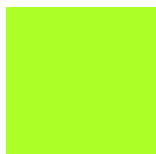
77.5135, 79.2836, 58.7948



Tritanopia

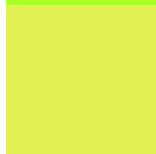
71.8874, 79.9305, 106.2470

Trichromacy



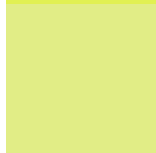
Original Color

53.1395, 80.4371, 14.6446



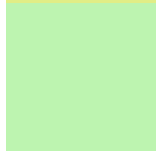
Protanomaly

63.7344, 78.9369, 19.8598



Deuteranomaly

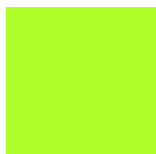
65.6386, 78.2972, 34.2076



Tritanomaly

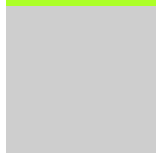
61.1734, 78.6548, 53.0320

Monochromacy



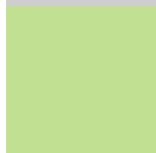
Original Color

53.1395, 80.4371, 14.6446



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

54.0146, 66.8250, 36.8397

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.1395, 80.4371, 14.6446 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, 255, 39)` looks like.

```
.text, #text, p{  
    color:rgb(172, 255, 39)  
}
```

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, 255, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 255, 39) }
```

Border

The CSS property to change the border of an element to XYZ 53.1395, 80.4371, 14.6446 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, 255, 39) }
```


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

```
.border{ border-color:rgb(172, 255, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 255, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 255, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 255, 39);  
box-shadow:4px 4px 4px 4px rgb(172, 255,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 53.1395, 80.4371, 14.6446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 255, 39) }
```

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

```
.background{ background-color: rgb(172,  
255, 39) }
```

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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