

Converting Colors

XYZ(53.6712, 80.7077, 14.8290)

Have a look what the booklet for
XYZ(53.6712, 80.7077, 14.8290)
contains.

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Color

**XYZ(53.6158, 80.6788,
14.8445)**

Conversions

Conversions Part 1

Format	Color
Hex	AEFF29
RGB	174, 255, 41
RGB Percent	68%, 100%, 16%
CMY	0.3176, 0.0000, 0.8392
CMYK	0.32, 0.00, 0.84, 0.00
HSL	83°, 100%, 58%
HSV	83°, 84%, 100%
XYZ	53.6158, 80.6788, 14.8445
YIQ	206.3850, 20.4180, -83.7260

Conversions

Conversions Part 2

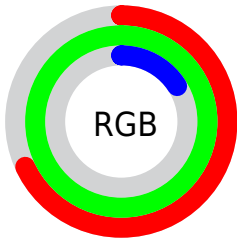
Format	Color
R_{YB}	41, 255, 122
Decimal	11468585
CIE _{Lab}	91.99, -52.34, 83.25
CIE _{LCh}	92, 98.336, 122.156
Yxy	80.6788, 0.3595, 0.5410
Android (android.graphics.Color)	4289658665 (0xFFFAEFF29)
YUV	206.3850, -81.5348, -28.4016
Hunter-Lab	89.8214, -50.6379, 53.0763

Details

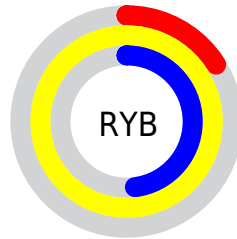
The XYZ color **53.6158, 80.6788, 14.8445** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **26.8712, 12.9452, 95.6901**, and the grayscale version is **59.4113, 62.5053, 68.0683**.

A 20% lighter version of the original color is **72.7813, 90.2863, 28.0590**, and **27.1335, 43.9656, 7.0561** is the 20% darker color. If you saturate the color by 10%, you get **51.2315, 79.4854, 13.1134**, and if you desaturate by 10%, it is **56.4424, 82.0668, 18.0994**.

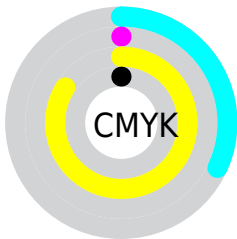
Distribution



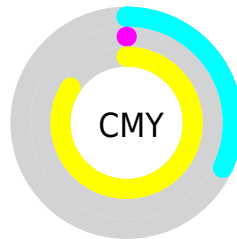
- Red (68%)
- Green (100%)
- Blue (16%)



- Red (16%)
- Yellow (100%)
- Blue (48%)



- Cyan (32%)
- Magenta (0%)
- Yellow (84%)
- Black (0%)





- Cyan (32%)
- Magenta (0%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.6158, 80.6788, 14.8445 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 53.6158, 80.6788, 14.8445 by changing the saturation by 10% instead.


 53.6158, 80.6788,
14.8445


 53.6158, 80.6788,
14.8445


390.8655,
497.2175, 234.0313

 38.5240, 60.2771,
8.5649


 94.6701, 134.3197,
35.3186

 26.5687, 43.6420,
4.3656


 121.3633,
168.3276, 50.3502


 17.3845, 30.3892,
1.8280


 152.6545,
207.6398, 69.1362

 10.6060, 20.1342,
0.4463

 188.9088,
252.6405, 92.0951

 5.8679, 12.4926,
0.0000

 230.4917,
303.7143, 119.6456

 2.8048, 7.0801,
0.0000

277.7686,

 1.0514, 3.5122,

361.2455, 152.2061

0.0000

331.1047,
425.6184, 190.1952

■ 0.0000, 1.4047,
0.0000

■ 0.0000, 0.2201,
0.0000

■ 53.6158, 80.6788,
14.8445

■ 53.6158, 80.6788,
14.8445

■ 51.2315, 79.4854,
13.1134

■ 56.4424, 82.0668,
18.0994

■ 49.9542, 78.8374,
12.5843

■ 59.7623, 83.6704,
23.1282

■ 63.6179, 85.5069,
30.1394

■ 68.0462, 87.5913,
39.3118

■ 73.0802, 89.9373,
50.8043

■ 78.7499, 92.5571,
64.7608

■ 85.0832, 95.4622,
81.3135

■ 92.1060, 98.6633,
100.5853

■ 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.



74.8691, 80.6788, 9.2501



53.6158, 80.6788, 14.8445



41.2368, 80.6788, 37.5533

Triad

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



53.6158, 80.6788, 14.8445



56.1491, 80.6788, 277.3423



136.2235, 80.6788, 82.7131

Complementary

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



53.6158, 80.6788, 14.8445



26.8712, 12.9452, 95.6901

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.



128.1839, 80.6788, 170.2122



53.6158, 80.6788, 14.8445



78.5255, 80.6788, 313.2596

Square

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



53.6158, 80.6788, 14.8445



42.4577, 80.6788, 184.6994



105.5665, 80.6788, 266.2263



125.6261, 80.6788, 32.6385

Rectangle

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



53.6158, 80.6788, 14.8445



37.9102, 80.6788, 70.1854



105.5665, 80.6788, 266.2263



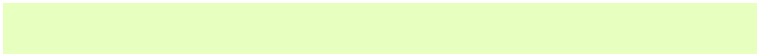
135.6078, 80.6788, 108.2443

Sweetspot

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



53.6159, 80.6788, 14.8456



78.1042, 92.2597, 63.1260



48.2939, 34.7270, 6.2566



16.2806, 19.5458, 12.4210



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.



53.6159, 80.6788, 14.8456



49.9542, 78.8374, 12.5843



38.6535, 72.9654, 14.1454



18.8560, 20.7272, 19.1513



26.2734, 41.2825, 6.5836



2.6797, 4.0822, 0.6467

Inverse Universe

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



26.8712, 12.9452, 95.6901



22.9293, 9.7354, 95.2783



50.3544, 25.0513, 96.7891



17.6528, 17.7127, 22.7384



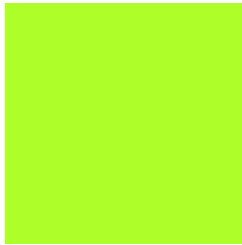
12.1334, 5.1655, 49.7921



1.2981, 0.5631, 4.8535

Previews

White Background



This preview shows how the XYZ color 53.6158, 80.6788, 14.8445 looks on a white background.

Color Contrast Check

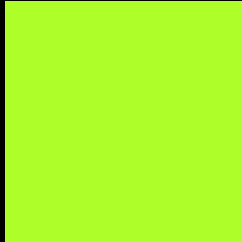
Large Text (above 18pt) WCAG AA × Fail

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 53.6158, 80.6788, 14.8445 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 53.6158, 80.6788, 14.8445

Background



This preview shows how black text looks on a background with the XYZ color 53.6158, 80.6788, 14.8445.

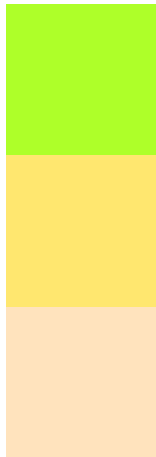


This preview shows how white text looks on a background with the XYZ color 53.6158, 80.6788,

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

53.6158, 80.6788, 14.8445

Protanopia

72.6852, 79.5595, 26.5645

Deuteranopia

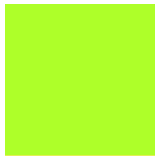
77.8944, 79.8723, 59.4555



Tritanopia

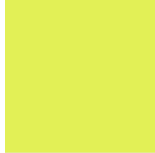
72.4216, 80.2059, 106.2720

Trichromacy



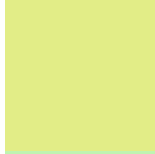
Original Color

53.6158, 80.6788, 14.8445



Protanomaly

64.2038, 79.1608, 20.6998



Deuteranomaly

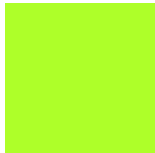
66.0214, 78.4864, 34.5914



Tritanomaly

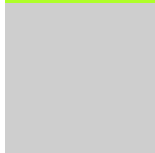
61.7724, 78.9521, 53.5785

Monochromacy



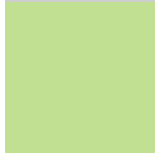
Original Color

53.6158, 80.6788, 14.8445



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

54.0921, 66.8560, 37.2477

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.6158, 80.6788, 14.8445 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(174, 255, 41)` looks like.

```
.text, #text, p{  
    color:rgb(174, 255, 41)  
}
```

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(174, 255, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 255, 41) }
```

Border

The CSS property to change the border of an element to XYZ 53.6158, 80.6788, 14.8445 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(174, 255, 41) }
```


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

```
.border{ border-color:rgb(174, 255, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 255, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 255, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 255, 41);  
box-shadow:4px 4px 4px 4px rgb(174, 255,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 53.6158, 80.6788, 14.8445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 255, 41) }
```

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

```
.background{ background-color: rgb(174,  
255, 41) }
```

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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