

Converting Colors

XYZ(53.7451, 81.4314, 27.1700)

Have a look what the booklet for
XYZ(53.7451, 81.4314, 27.1700)
contains.

XYZ(53.1647, 80.1798, 26.8615)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(53.1647, 80.1798,
26.8615)**

Conversions

Conversions Part 1

Format	Color
Hex	A1FF6C
RGB	161, 255, 108
RGB Percent	63%, 100%, 42%
CMY	0.3686, 0.0000, 0.5765
CMYK	0.37, 0.00, 0.58, 0.00
HSL	98°, 100%, 71%
HSV	98°, 58%, 100%
XYZ	53.1647, 80.1798, 26.8615
YIQ	210.1360, -8.8370, -65.6450

Conversions

Conversions Part 2

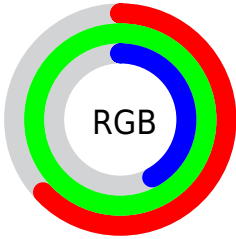
Format	Color
RYB	108, 255, 202
Decimal	10616684
CIELab	91.77, -52.54, 60.37
CIELCh	92, 80.027, 131.033
Yxy	80.1798, 0.3319, 0.5005
Android (android.graphics.Color)	4288806764 (0xFFA1FF6C)
YUV	210.1360, -50.3530, -43.0923
Hunter-Lab	89.5432, -50.7193, 44.8942

Details

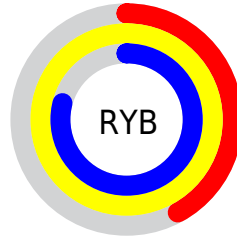
The XYZ color **53.1647, 80.1798, 26.8615** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **47.7713, 30.5031, 97.9776**, and the grayscale version is **61.6723, 64.8841, 70.6588**.

A 20% lighter version of the original color is **71.8861, 89.3800, 48.1136**, and **26.4074, 43.5197, 10.2571** is the 20% darker color. If you saturate the color by 10%, you get **48.9253, 78.1288, 20.5853**, and if you desaturate by 10%, it is **58.2299, 82.6106, 35.2498**.

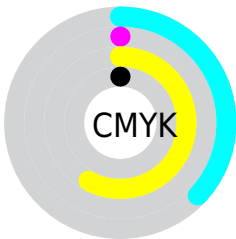
Distribution



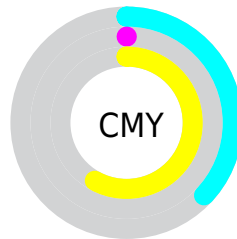
- Red (63%)
- Green (100%)
- Blue (42%)



- Red (42%)
- Yellow (100%)
- Blue (79%)



- Cyan (37%)
- Magenta (0%)
- Yellow (58%)
- Black (0%)




- Cyan (37%)
- Magenta (0%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.1647, 80.1798, 26.8615 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 53.1647, 80.1798, 26.8615 by changing the saturation by 10% instead.


 53.1647, 80.1798,
26.8615

 53.1647, 80.1798,
26.8615


389.1672,
495.5386, 300.7248


 38.1623, 59.8663,
17.2377


 94.0108, 133.6185,
55.6626


 26.2864, 43.3109,
10.2404


 120.5851,
167.5125, 75.6769

 17.1719, 30.1291,
5.4509


 151.7475,
206.7021, 99.9919

 10.4532, 19.9366,
2.4509

 187.8633,
251.5718, 129.0260

 5.7650, 12.3490,
0.8140

229.2978,
302.5059, 163.1979

 2.7420, 6.9818,
0.0000

276.4164,

 1.0188, 3.4507,

359.8888, 202.9259

0.0000

329.5844,
424.1049, 248.6287

0.0000, 1.3713,
0.0000

0.0000, 0.1954,
0.0000

53.1647, 80.1798,
26.8615

53.1647, 80.1798,
26.8615

48.9253, 78.1288,
20.5853

58.2299, 82.6106,
35.2498

45.4590, 76.4347,
16.2289

64.1673, 85.4416,
45.9127

42.7063, 75.0716,
13.5709

71.0202, 88.6917,
59.0010

40.5930, 74.0077,
12.3179

78.8284, 92.3787,
74.6516

■ 40.1671, 73.7919,
12.1262

■ 87.6295, 96.5190,
92.9912

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.



68.9165, 80.1798, 16.7926



53.1647, 80.1798, 26.8615



44.6981, 80.1798, 55.5305

Triad

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



53.1647, 80.1798, 26.8615



64.1096, 80.1798, 243.3367



121.7750, 80.1798, 67.4450

Complementary

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



53.1647, 80.1798, 26.8615



47.7713, 30.5031, 97.9776

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.



119.8571, 80.1798, 129.3396



53.1647, 80.1798, 26.8615



83.9975, 80.1798, 251.4262

Square

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



53.1647, 80.1798, 26.8615



50.1905, 80.1798, 184.2714



105.1015, 80.1798, 203.0364



109.9493, 80.1798, 32.2125

Rectangle

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



53.1647, 80.1798, 26.8615



43.2207, 80.1798, 89.3511



105.1015, 80.1798, 203.0364



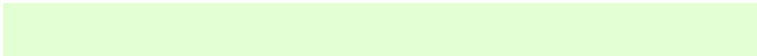
122.7639, 80.1798, 85.2848

Sweetspot

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



53.1649, 80.1799, 26.8627



79.3661, 92.6321, 75.7529



64.8573, 64.1634, 23.1549



16.6323, 19.6596, 15.4884



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.



53.1649, 80.1799, 26.8627



48.4118, 77.8790, 19.8873



45.8151, 76.2565, 32.5898



18.3897, 20.4868, 19.1294



21.1361, 38.6341, 6.3431



2.1723, 3.8206, 0.6230

Inverse Universe

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



47.7713, 30.5031, 97.9776



42.4779, 23.9690, 96.9954



61.6563, 38.0073, 82.9875



18.1203, 17.9537, 22.7603



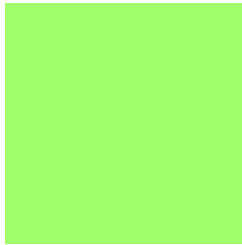
17.5000, 7.9321, 50.0433



1.8235, 0.8340, 4.8781

Previews

White Background



This preview shows how the XYZ color 53.1647, 80.1798, 26.8615 looks on a white background.

Color Contrast Check

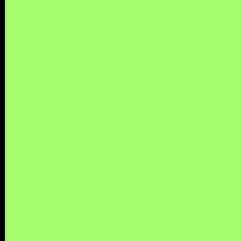
Large Text (above 18pt) WCAG AA × Fail

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 53.1647, 80.1798, 26.8615 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 53.1647, 80.1798, 26.8615

Background



This preview shows how black text looks on a background with the XYZ color 53.1647, 80.1798, 26.8615.



This preview shows how white text looks on a background with the XYZ color 53.1647, 80.1798, 26.8615.

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

53.1647, 80.1798, 26.8615

Protanopia

72.1907, 78.9152, 25.3372

Deuteranopia

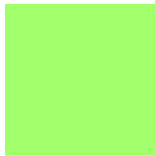
77.4595, 78.8281, 59.8480



Tritanopia

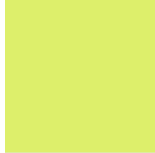
70.3628, 79.5755, 106.2588

Trichromacy



Original Color

53.1647, 80.1798, 26.8615



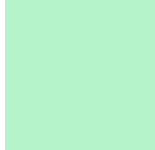
Protanomaly

63.3391, 78.1667, 25.6593



Deuteranomaly

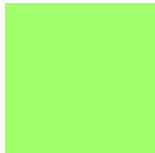
66.1594, 77.9011, 44.8072



Tritanomaly

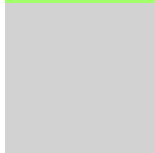
62.0674, 78.7894, 67.8137

Monochromacy



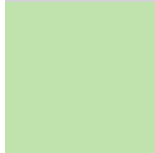
Original Color

53.1647, 80.1798, 26.8615



Achromatopsia

61.2578, 64.4480, 70.1838



Achromatomaly

56.4774, 68.6163, 49.8028

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.1647, 80.1798, 26.8615 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(161, 255, 108)` looks like.

```
.text, #text, p{  
    color:rgb(161, 255, 108)  
}
```

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(161, 255, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 255, 108) }
```

Border

The CSS property to change the border of an element to XYZ 53.1647, 80.1798, 26.8615 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(161, 255, 108) }
```


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

```
.border{ border-color:rgb(161, 255, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 255, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 255, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 255, 108);  
box-shadow:4px 4px 4px 4px rgb(161, 255,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 53.1647, 80.1798, 26.8615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 255, 108) }
```

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

```
.background{ background-color: rgb(161,  
255, 108) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor