

Converting Colors

XYZ(56.2368, 81.6103, 33.9251)

Have a look what the booklet for
XYZ(56.2368, 81.6103, 33.9251)
contains.

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Color

**XYZ(56.1515, 81.5667,
33.9036)**

Conversions

Conversions Part 1

Format	Color
Hex	A9FF82
RGB	169, 255, 130
RGB Percent	66%, 100%, 51%
CMY	0.3373, 0.0000, 0.4902
CMYK	0.34, 0.00, 0.49, 0.00
HSL	101°, 100%, 75%
HSV	101°, 49%, 100%
XYZ	56.1515, 81.5667, 33.9036
YIQ	215.0360, -11.1310, -57.1070

Conversions

Conversions Part 2

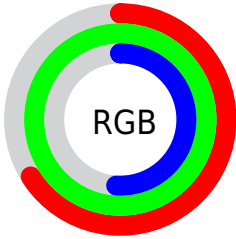
Format	Color
RYB	130, 255, 216
Decimal	11140994
CIELab	92.38, -47.63, 51.31
CIELCh	92, 70.006, 132.867
Yxy	81.5667, 0.3272, 0.4753
Android (android.graphics.Color)	4289331074 (0xFFA9FF82)
YUV	215.0360, -41.9227, -40.3736
Hunter-Lab	90.3143, -47.0704, 40.9628

Details

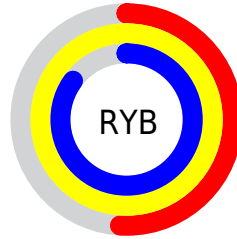
The XYZ color **56.1515, 81.5667, 33.9036** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **54.3529, 37.7856, 99.0364**, and the grayscale version is **64.8959, 68.2756, 74.3521**.

A 20% lighter version of the original color is **76.1955, 91.3537, 59.5160**, and **28.2157, 44.3687, 14.0981** is the 20% darker color. If you saturate the color by 10%, you get **51.1317, 79.1528, 25.8143**, and if you desaturate by 10%, it is **62.1012, 84.4110, 44.2524**.

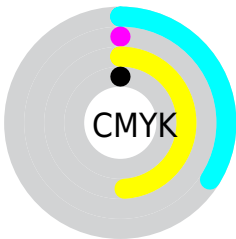
Distribution



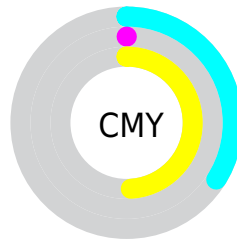
- Red (66%)
- Green (100%)
- Blue (51%)



- Red (51%)
- Yellow (100%)
- Blue (85%)



- Cyan (34%)
- Magenta (0%)
- Yellow (49%)
- Black (0%)





- Cyan (34%)
- Magenta (0%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.1515, 81.5667, 33.9036 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 56.1515, 81.5667, 33.9036 by changing the saturation by 10% instead.


 56.1515, 81.5667,
33.9036


 56.1515, 81.5667,
33.9036


400.3280,
500.1972, 334.4580


 40.5619, 61.0084,
22.5428


 98.3646, 135.5662,
66.9159

 28.1631, 44.2320,
14.0542


 125.7187,
169.7762, 89.4045

 18.5897, 30.8529,
8.0192


 157.7251,
209.3056, 116.4394

 11.4764, 20.4869,
4.0193

194.7491,
254.5388, 148.4392

 6.4579, 12.7495,
1.6359

237.1560,
305.8602, 185.8224

 3.1687, 7.2562,
0.3163

285.3112,

 1.2436, 3.6229,

363.6541, 229.0076

0.0000

339.5801,
428.3049, 278.4133

0.1404, 1.4649,
0.0000

0.0000, 0.2638,
0.0000

56.1515, 81.5667,
33.9036

56.1515, 81.5667,
33.9036

51.1317, 79.1528,
25.8143

62.1012, 84.4110,
44.2524

46.9889, 77.1457,
19.8119

69.0272, 87.7064,
57.0089

43.6657, 75.5199,
15.7046

76.9740, 91.4726,
72.3128

41.0959, 74.2466,
13.2639

85.9828, 95.7281,
90.2922

■ 39.1910, 73.2872, 95.0500, 100.0000,
12.1522 108.9000

■ 39.0309, 73.2062,
12.0731

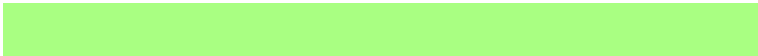
Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.0215, 81.5667, 22.7164



56.1515, 81.5667, 33.9036



48.7626, 81.5667, 62.5337

Triad

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



56.1515, 81.5667, 33.9036



67.7062, 81.5667, 222.4213



116.7094, 81.5667, 68.3872

Complementary

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



56.1515, 81.5667, 33.9036



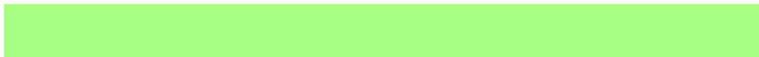
54.3529, 37.7856, 99.0364

Split Complementary

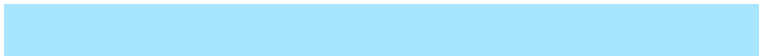
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



115.8297, 81.5667, 121.5810



56.1515, 81.5667, 33.9036



85.5499, 81.5667, 225.9863

Square

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



56.1515, 81.5667, 33.9036



54.6851, 81.5667, 175.4927



103.7361, 81.5667, 183.8958



105.9795, 81.5667, 36.7440

Rectangle

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



56.1515, 81.5667, 33.9036



47.6676, 81.5667, 93.8992



103.7361, 81.5667, 183.8958



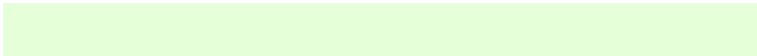
117.8051, 81.5667, 83.9124

Sweetspot

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



56.1518, 81.5669, 33.9048



80.4641, 93.1227, 79.2089



69.6765, 71.6857, 31.2847



16.8261, 19.7447, 16.1679



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

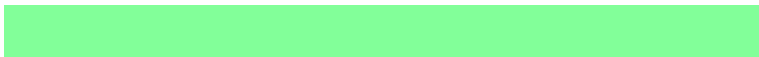
The Same Dimension uses a secret algorithm to generate beautiful new colors.



56.1518, 81.5669, 33.9048



51.1400, 79.1568, 25.8271



50.7096, 78.5634, 42.5938



18.3047, 20.4430, 19.1255



20.5288, 38.3211, 6.3147



2.1056, 3.7862, 0.6198

Inverse Universe

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



54.3529, 37.7856, 99.0364



49.0857, 30.6506, 97.9368



63.8005, 43.0572, 81.3547



18.2090, 17.9995, 22.7645



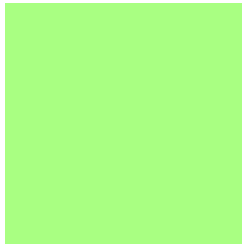
18.8821, 8.6446, 50.1080



1.9511, 0.8997, 4.8841

Previews

White Background



This preview shows how the XYZ color 56.1515, 81.5667, 33.9036 looks on a white background.

Color Contrast Check

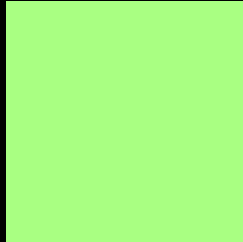
Large Text (above 18pt) WCAG AA × Fail

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 56.1515, 81.5667, 33.9036 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

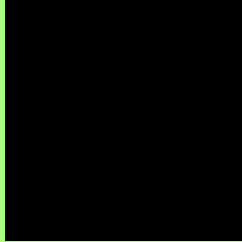
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

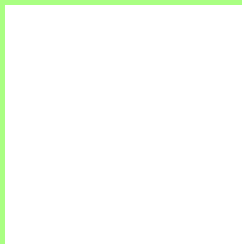
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.1515, 81.5667, 33.9036

Background



This preview shows how black text looks on a background with the XYZ color 56.1515, 81.5667, 33.9036.

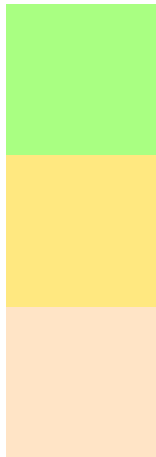


This preview shows how white text looks on a background with the XYZ color 56.1515, 81.5667,

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

56.1515, 81.5667, 33.9036

Protanopia

73.9929, 80.5317, 32.0664

Deuteranopia

79.1764, 80.8240, 64.8536



Tritanopia

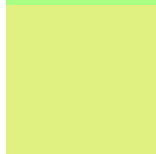
72.4697, 81.0951, 106.4411

Trichromacy



Original Color

56.1515, 81.5667, 33.9036



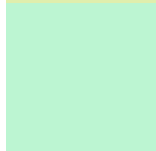
Protanomaly

65.8630, 79.7524, 32.6913



Deuteranomaly

68.8578, 80.0135, 51.3501



Tritanomaly

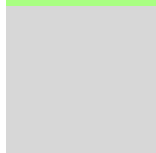
65.0243, 80.6493, 73.1125

Monochromacy



Original Color

56.1515, 81.5667, 33.9036



Achromatopsia

64.5905, 67.9542, 74.0022



Achromatomaly

60.2372, 72.0601, 56.0815

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.1515, 81.5667, 33.9036 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(169, 255, 130)` looks like.

```
.text, #text, p{  
    color:rgb(169, 255, 130)  
}
```

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(169, 255, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 255, 130) }
```

Border

The CSS property to change the border of an element to XYZ 56.1515, 81.5667, 33.9036 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(169, 255, 130) }
```


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

```
.border{ border-color:rgb(169, 255, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 255, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 255, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 255, 130);  
box-shadow:4px 4px 4px 4px rgb(169, 255,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 56.1515, 81.5667, 33.9036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 255, 130) }
```

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

```
.background{ background-color: rgb(169,  
255, 130) }
```

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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