

Converting Colors

XYZ(73.5330, 115.6961,
57.3693)

Have a look what the booklet for
XYZ(73.5330, 115.6961, 57.3693)
contains.

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Color

**XYZ(56.3433, 81.2709,
51.7470)**

Conversions

Conversions Part 1

Format	Color
Hex	99FFAC
RGB	153, 255, 172
RGB Percent	60%, 100%, 67%
CMY	0.4000, 0.0000, 0.3255
CMYK	0.40, 0.00, 0.33, 0.00
HSL	131°, 100%, 80%
HSV	131°, 40%, 100%
XYZ	56.3433, 81.2709, 51.7470
YIQ	215.0400, -34.1490, -47.4370

Conversions

Conversions Part 2

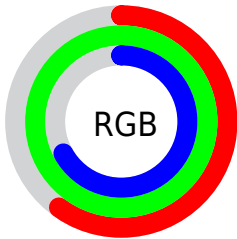
Format	Color
RYB	153, 239, 255
Decimal	10092460
CIELab	92.25, -46.58, 30.56
CIELCh	92, 55.715, 146.729
Yxy	81.2709, 0.2975, 0.4292
Android (android.graphics.Color)	4288282540 (0xFF99FFAC)
YUV	215.0400, -21.2187, -54.4091
Hunter-Lab	90.1504, -46.2020, 29.0724

Details

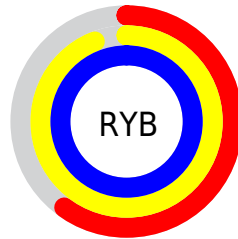
The XYZ color **56.3433, 81.2709, 51.7470** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **67.7717, 50.0991, 85.4543**, and the grayscale version is **64.7739, 68.1472, 74.2123**.

A 20% lighter version of the original color is **76.6276, 90.9703, 86.9191**, and **28.3477, 44.2069, 24.4915** is the 20% darker color. If you saturate the color by 10%, you get **50.1938, 78.3132, 41.8564**, and if you desaturate by 10%, it is **63.8334, 84.8836, 63.3271**.

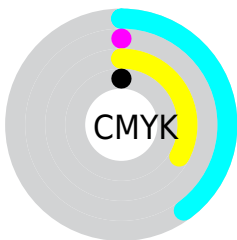
Distribution



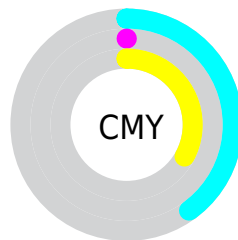
- Red (60%)
- Green (100%)
- Blue (67%)



- Red (60%)
- Yellow (94%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)





- Cyan (40%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.3433, 81.2709, 51.7470 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 56.3433, 81.2709, 51.7470 by changing the saturation by 10% instead.


 56.3433, 81.2709,
51.7470

 56.3433, 81.2709,
51.7470


401.0381,
499.2056, 410.3882

 40.7163, 60.7647,
36.4226


 98.6432, 135.1511,
94.1808

 28.2842, 44.0353,
24.4685


 126.0469,
169.2939, 122.1273

 18.6815, 30.6983,
15.4661


158.1068,
208.7510, 155.1182

 11.5430, 20.3692,
8.9969

195.1884,
253.9069, 193.5721

 6.5033, 12.6637,
4.6424

237.6570,
305.1459, 237.9075

 3.1970, 7.1974,
1.9840

285.8778,

 1.2588, 3.5858,

362.8524, 288.5429

0.5454

340.2164,
427.4109, 345.8970

■ 0.1520, 1.4447,
0.0000

■ 0.0000, 0.2493,
0.0000

■ 56.3433, 81.2709,
51.7470

■ 56.3433, 81.2709,
51.7470

■ 50.1938, 78.3132,
41.8564

■ 63.8334, 84.8836,
63.3271

■ 45.3028, 75.9701,
33.5726

■ 72.7364, 89.1872,
76.6666

■ 41.5816, 74.1976,
26.8116

■ 83.1209, 94.2156,
91.8361

■ 38.9287, 72.9452,
21.4801

95.0500, 100.0000,
108.9000

■ 37.2245, 72.1536,
17.4747

■ 36.2833, 71.7293,
14.6758

■ 36.2833, 71.7293,
14.6757

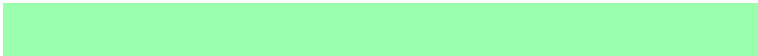
Harmonies

Analogous

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



65.4564, 81.2709, 34.9055



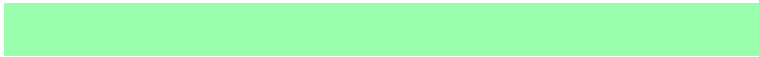
56.3433, 81.2709, 51.7470



52.7825, 81.2709, 84.0457

Triad

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



56.3433, 81.2709, 51.7470



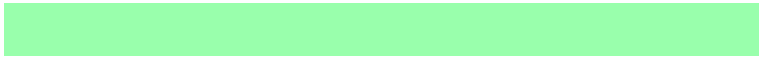
75.6777, 81.2709, 193.5288



104.6885, 81.2709, 57.4183

Complementary

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



56.3433, 81.2709, 51.7470



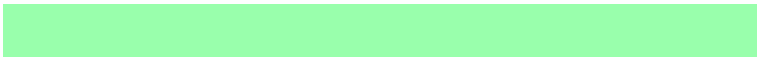
67.7717, 50.0991, 85.4543

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.



108.2951, 81.2709, 93.0886



56.3433, 81.2709, 51.7470



90.3715, 81.2709, 179.8157

Square

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



56.3433, 81.2709, 51.7470



63.0383, 81.2709, 172.6596



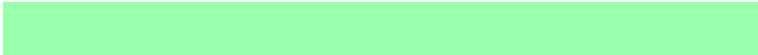
102.7671, 81.2709, 139.4721



93.4415, 81.2709, 37.3941

Rectangle

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



56.3433, 81.2709, 51.7470



53.6609, 81.2709, 113.3178



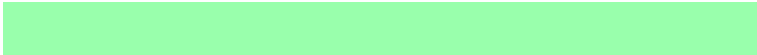
102.7671, 81.2709, 139.4721



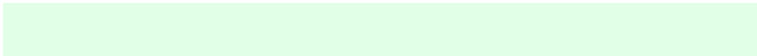
106.8906, 81.2709, 67.5829

Sweetspot

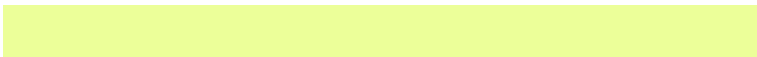
The Sweet Spot groups the original color and five complimentary colors.



56.3438, 81.2711, 51.7483



80.9216, 93.1501, 88.6516



76.2018, 91.7043, 43.8221



17.0203, 19.7925, 18.5387



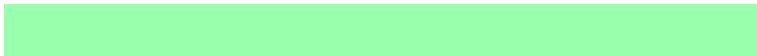
0.0000, 0.0000, 0.0000



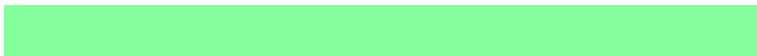
20.3446, 21.4041, 23.3091

Same Dimension

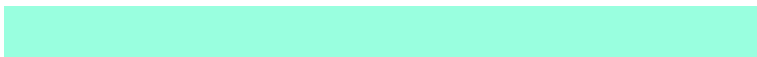
The Same Dimension uses a secret algorithm to generate beautiful new colors.



56.3438, 81.2711, 51.7483



51.3200, 78.8541, 43.7030



62.1761, 83.6040, 82.4607



17.9098, 20.2234, 19.8278



18.9981, 37.4959, 7.8755



1.8849, 3.6649, 0.9519

Inverse Universe

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



67.7717, 50.0991, 85.4543



64.1666, 43.7632, 81.5570



61.4203, 47.5585, 52.0083



18.6390, 18.2389, 21.9820



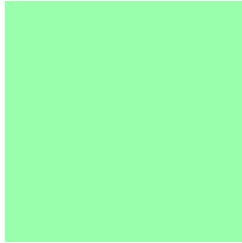
27.5176, 13.4963, 32.4399



2.7151, 1.3284, 3.3473

Previews

White Background



This preview shows how the XYZ color 56.3433, 81.2709, 51.7470 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 56.3433, 81.2709, 51.7470 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

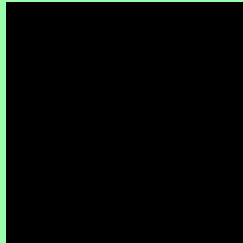
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.3433, 81.2709, 51.7470

Background



This preview shows how black text looks on a background with the XYZ color 56.3433, 81.2709, 51.7470.



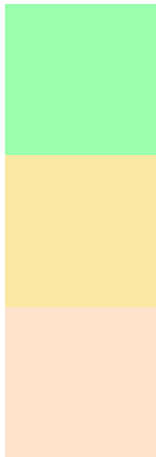
This preview shows how white text looks on a background with the XYZ color 56.3433, 81.2709,

51.7470.

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

56.3433, 81.2709, 51.7470

Protanopia

74.5218, 80.0845, 45.7125

Deuteranopia

79.3354, 80.0123, 68.3892



Tritanopia

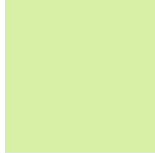
70.6959, 80.6165, 106.4422

Trichromacy



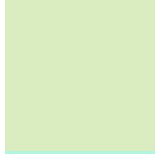
Original Color

56.3433, 81.2709, 51.7470



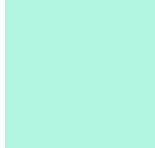
Protanomaly

66.0674, 79.5204, 47.9433



Deuteranomaly

68.7121, 79.2796, 61.5501



Tritanomaly

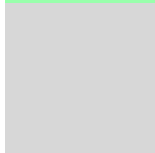
64.3745, 80.0882, 83.2998

Monochromacy



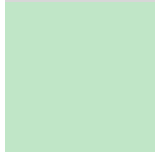
Original Color

56.3433, 81.2709, 51.7470



Achromatopsia

64.5905, 67.9542, 74.0022



Achromatomaly

60.3438, 71.9236, 64.7350

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.3433, 81.2709, 51.7470 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(153, 255, 172)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 172)  
}
```

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(153, 255, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 172) }
```

Border

The CSS property to change the border of an element to XYZ 56.3433, 81.2709, 51.7470 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(153, 255, 172) }
```


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

```
.border{ border-color:rgb(153, 255, 172) }
```

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

Here you see how a box with a 4 pixel rgb(153, 255, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 172);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 56.3433, 81.2709, 51.7470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 255, 172) }
```

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

```
.background{ background-color: rgb(153,  
255, 172) }
```

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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