

Converting Colors

XYZ(56.7513, 81.4341, 53.8959)

Have a look what the booklet for
XYZ(56.7513, 81.4341, 53.8959)
contains.

XYZ(56.7333, 81.4269, 53.8011)	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(56.7333, 81.4269,
53.8011)**

Conversions

Conversions Part 1

Format	Color
Hex	99FFB0
RGB	153, 255, 176
RGB Percent	60%, 100%, 69%
CMY	0.4000, 0.0000, 0.3098
CMYK	0.40, 0.00, 0.31, 0.00
HSL	134°, 100%, 80%
HSV	134°, 40%, 100%
XYZ	56.7333, 81.4269, 53.8011
YIQ	215.4960, -35.4330, -46.1930

Conversions

Conversions Part 2

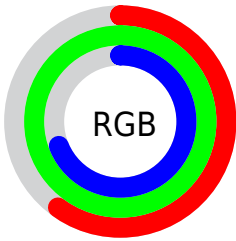
Format	Color
RYB	153, 236, 255
Decimal	10092464
CIELab	92.32, -45.91, 28.65
CIElCh	92, 54.117, 148.040
Yxy	81.4269, 0.2955, 0.4242
Android (android.graphics.Color)	4288282544 (0xFF99FFB0)
YUV	215.4960, -19.4715, -54.8090
Hunter-Lab	90.2369, -45.6888, 27.8159

Details

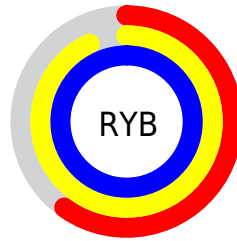
The XYZ color **56.7333, 81.4269, 53.8011** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **67.1968, 49.8690, 82.4271**, and the grayscale version is **65.0726, 68.4614, 74.5545**.

A 20% lighter version of the original color is **77.1895, 91.1951, 89.8780**, and **28.5931, 44.3050, 25.7836** is the 20% darker color. If you saturate the color by 10%, you get **50.6094, 78.4795, 44.0455**, and if you desaturate by 10%, it is **64.1709, 85.0186, 65.1048**.

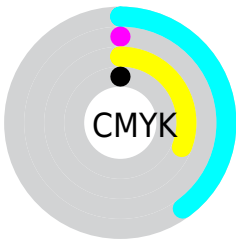
Distribution



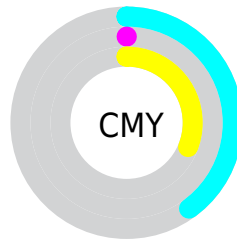
- Red (60%)
- Green (100%)
- Blue (69%)



- Red (60%)
- Yellow (93%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)





- Cyan (40%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.7333, 81.4269, 53.8011 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 56.7333, 81.4269, 53.8011 by changing the saturation by 10% instead.


 56.7333, 81.4269,
53.8011


 56.7333, 81.4269,
53.8011


402.4796,
499.7287, 418.5042

 41.0305, 60.8933,
38.0506


 99.2095, 135.3700,
97.2356

 28.5307, 44.1390,
25.7198


 126.7136,
169.5483, 125.7567

 18.8686, 30.7798,
16.3903


158.8822,
209.0436, 159.3716

 11.6788, 20.4312,
9.6434

196.0806,
254.2402, 198.4991

 6.5960, 12.7089,
5.0607

238.6742,
305.5227, 243.5575

 3.2548, 7.2284,
2.2235

287.0283,

 1.2899, 3.6054,

363.2753, 294.9655

0.6879

341.5083,
427.8825, 353.1416

■ 0.1756, 1.4553,
0.0000

■ 0.0000, 0.2570,
0.0000

■ 56.7333, 81.4269,
53.8011

■ 56.7333, 81.4269,
53.8011

■ 50.6094, 78.4795,
44.0455

■ 64.1709, 85.0186,
65.1048

■ 45.7194, 76.1368,
35.7667

■ 72.9925, 89.2897,
78.0160

■ 41.9769, 74.3557,
28.8934

■ 83.2650, 94.2733,
92.5958

■ 39.2832, 73.0870,
23.3470

95.0500, 100.0000,
108.9000

■ 37.5219, 72.2725,
19.0407

■ 36.5112, 71.8205,
15.8756

■ 36.5112, 71.8205,
15.8755

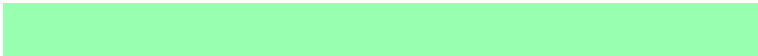
Harmonies

Analogous

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



65.4198, 81.4269, 36.5491



56.7333, 81.4269, 53.8011



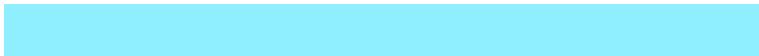
53.4934, 81.4269, 86.0502

Triad

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



56.7333, 81.4269, 53.8011



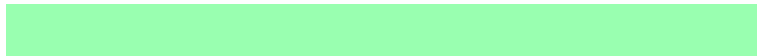
76.4771, 81.4269, 190.1477



103.6592, 81.4269, 57.1403

Complementary

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



56.7333, 81.4269, 53.8011



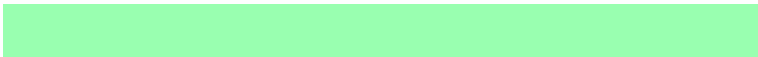
67.1968, 49.8690, 82.4271

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.



107.5254, 81.4269, 91.3222



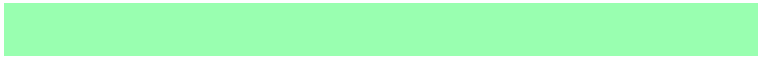
56.7333, 81.4269, 53.8011



90.7464, 81.4269, 175.5667

Square

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



56.7333, 81.4269, 53.8011



64.0050, 81.4269, 171.4428



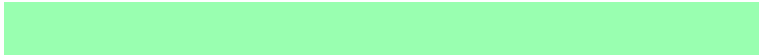
102.5449, 81.4269, 136.0338



92.5306, 81.4269, 38.0287

Rectangle

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



56.7333, 81.4269, 53.8011



54.5218, 81.4269, 114.7339



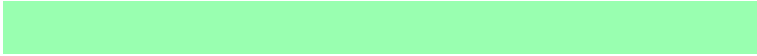
102.5449, 81.4269, 136.0338



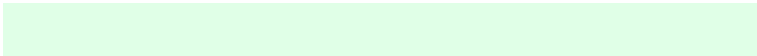
105.9060, 81.4269, 66.8698

Sweetspot

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



56.7338, 81.4271, 53.8024



81.0909, 93.2178, 89.5429



75.0816, 91.1268, 43.7696



17.0599, 19.8083, 18.7471



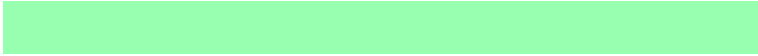
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



56.7338, 81.4271, 53.8024



51.7327, 79.0192, 45.8760



62.6384, 83.7889, 84.8952



17.9393, 20.2352, 19.9833



19.1238, 37.5461, 8.5370



1.9012, 3.6714, 1.0374

Inverse Universe

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



67.1968, 49.8690, 82.4271



63.4930, 43.4938, 78.0103



61.0647, 47.4162, 50.1361



18.6071, 18.2261, 21.8139



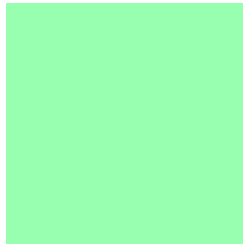
26.9038, 13.2508, 29.2074



2.6604, 1.3065, 3.0593

Previews

White Background



This preview shows how the XYZ color 56.7333, 81.4269, 53.8011 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 56.7333, 81.4269, 53.8011 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

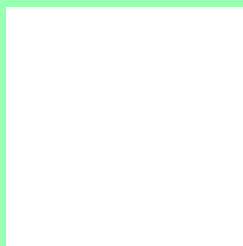
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.7333, 81.4269, 53.8011

Background



This preview shows how black text looks on a background with the XYZ color 56.7333, 81.4269, 53.8011.

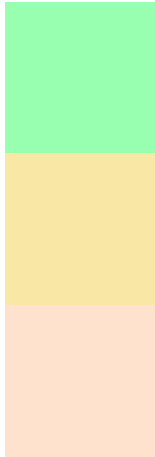


This preview shows how white text looks on a background with the XYZ color 56.7333, 81.4269, 53.8011.

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

56.7333, 81.4269, 53.8011

Protanopia

74.5258, 80.0447, 47.5986

Deuteranopia

79.4558, 80.0605, 69.0231



Tritanopia

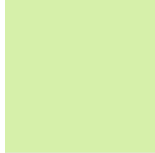
70.9912, 81.2070, 106.5406

Trichromacy



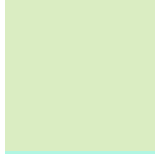
Original Color

56.7333, 81.4269, 53.8011



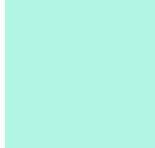
Protanomaly

66.1473, 79.5186, 49.8925



Deuteranomaly

68.9352, 79.3688, 62.7254



Tritanomaly

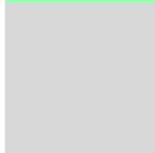
64.8147, 80.7496, 84.1216

Monochromacy



Original Color

56.7333, 81.4269, 53.8011



Achromatopsia

64.5905, 67.9542, 74.0022



Achromatomaly

60.5777, 72.0171, 65.9663

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.7333, 81.4269, 53.8011 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, 176)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 176)  
}
```

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, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 176) }
```

Border

The CSS property to change the border of an element to XYZ 56.7333, 81.4269, 53.8011 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, 176) }
```


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

```
.border{ border-color:rgb(153, 255, 176) }
```

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, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 176);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 56.7333, 81.4269, 53.8011 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, 176) }
```

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

```
.background{ background-color: rgb(153,  
255, 176) }
```

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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