

# Converting Colors

XYZ(55.9480, 81.0829, 51.0170)

Have a look what the booklet for  
XYZ(55.9480, 81.0829, 51.0170)  
contains.

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# Color

**XYZ(56.0596, 81.1357,  
51.2342)**

# Conversions

## Conversions Part 1

Format	Color
Hex	98FFAB
RGB	152, 255, 171
RGB Percent	60%, 100%, 67%
CMY	0.4039, 0.0000, 0.3294
CMYK	0.40, 0.00, 0.33, 0.00
HSL	131°, 100%, 80%
HSV	131°, 40%, 100%
XYZ	56.0596, 81.1357, 51.2342
YIQ	214.6270, -34.4240, -47.9600

# Conversions

## Conversions Part 2

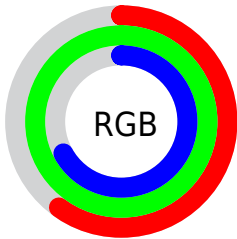
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">152, 239, 255</a>
Decimal	<a href="#">10026923</a>
CIELab	<a href="#">92.19, -47.03, 30.98</a>
CIElCh	<a href="#">92, 56.316, 146.627</a>
Yxy	<a href="#">81.1357, 0.2975, 0.4306</a>
Android (android.graphics.Color)	<a href="#">4288217003 (0xFF98FFAB)</a>
YUV	<a href="#">214.6270, -21.5081, -54.9239</a>
Hunter-Lab	<a href="#">90.0754, -46.5400, 29.3290</a>

# Details

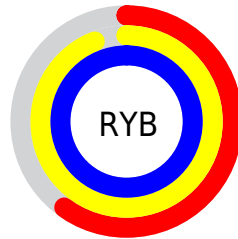
The XYZ color **56.0596, 81.1357, 51.2342** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **67.6087, 49.7730, 85.3999**, and the grayscale version is **64.4963, 67.8551, 73.8942**.

A 20% lighter version of the original color is **76.2035, 90.7677, 86.1766**, and **28.1834, 44.1291, 24.1719** is the 20% darker color. If you saturate the color by 10%, you get **49.9600, 78.2025, 41.4030**, and if you desaturate by 10%, it is **63.4980, 84.7230, 62.7586**.

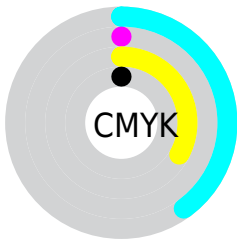
# Distribution



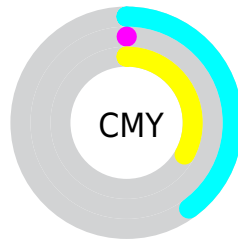
- Red (60%)
- Green (100%)
- Blue (67%)



- 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 56.0596, 81.1357, 51.2342 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 56.0596, 81.1357, 51.2342 by changing the saturation by 10% instead.





 56.0596, 81.1357,  
51.2342


 56.0596, 81.1357,  
51.2342


399.9875,  
498.7520, 408.3455

 40.4879, 60.6534,  
36.0170

 98.2310, 134.9613,  
93.4159

 28.1051, 43.9455,  
24.1575


 125.5614,  
169.0733, 121.2175

 18.5457, 30.6277,  
15.2372


157.5422,  
208.4974, 154.0510

 11.4445, 20.3155,  
8.8376

194.5385,  
253.6179, 192.3349

 6.4362, 12.6246,  
4.5400

236.9159,  
304.8192, 236.4878

 3.1552, 7.1705,  
1.9260


285.0396,


 1.2364, 3.5690,


362.4858, 286.9281


0.5092


339.2750,  
427.0019, 344.0745


 0.1348, 1.4355,  
0.0000


 0.0000, 0.2427,  
0.0000

 56.0596, 81.1357,  
51.2342


 56.0596, 81.1357,  
51.2342


 49.9600, 78.2025,  
41.4030


 63.4980, 84.7230,  
62.7586

 45.1168, 75.8827,  
33.1813

 72.3478, 89.0002,  
76.0467

 41.4407, 74.1320,  
26.4844

 82.6780, 94.0016,  
91.1697

 38.8294, 72.8997,  
21.2179

94.5528, 99.7588,  
108.1939

■ 37.1626, 72.1259, 95.0500, 100.0000,  
17.2769 108.9000

■ 36.2739, 71.7256,  
14.6264

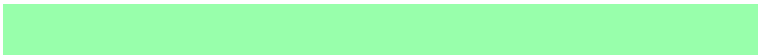
# Harmonies

## Analogous

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



65.2612, 81.1357, 34.3837



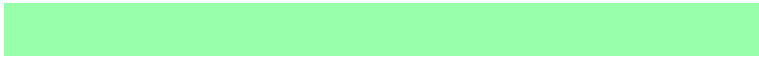
56.0596, 81.1357, 51.2342



52.4545, 81.1357, 83.7188

# Triad

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



56.0596, 81.1357, 51.2342



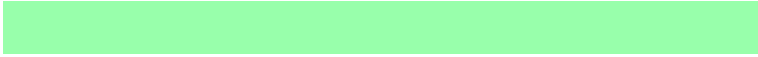
75.4850, 81.1357, 194.7071



104.8851, 81.1357, 57.1161

# Complementary

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



56.0596, 81.1357, 51.2342



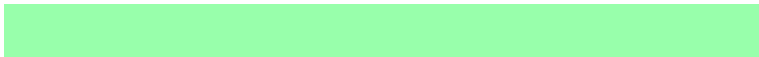
67.6087, 49.7730, 85.3999

# 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.



108.5039, 81.1357, 93.1344



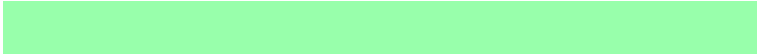
56.0596, 81.1357, 51.2342



90.3283, 81.1357, 180.9095

# Square

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



56.0596, 81.1357, 51.2342



62.7471, 81.1357, 173.4241



102.8803, 81.1357, 140.0705

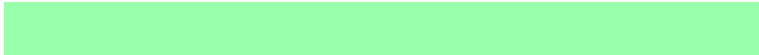


93.5288, 81.1357, 36.9546



# Rectangle

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



56.0596, 81.1357, 51.2342



53.3253, 81.1357, 113.2727



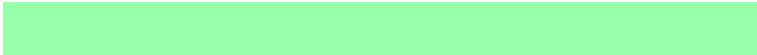
102.8803, 81.1357, 140.0705



107.1039, 81.1357, 67.3689

# Sweetspot

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



56.0601, 81.1359, 51.2355



80.9139, 93.1470, 88.6106



76.0585, 91.6399, 43.3860



17.0185, 19.7918, 18.5292



0.0000, 0.0000, 0.0000

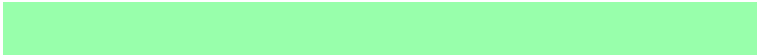


20.3446, 21.4041, 23.3091



# Same Dimension

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



56.0601, 81.1359, 51.2355



51.3014, 78.8467, 43.6048



61.9455, 83.4901, 82.2276



17.9084, 20.2229, 19.8206



18.9929, 37.4938, 7.8481



1.8842, 3.6646, 0.9482



# Inverse Universe

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



67.6087, 49.7730, 85.3999



64.1981, 43.7758, 81.7229



61.1851, 47.2036, 51.5740



18.6404, 18.2395, 21.9897



27.5469, 13.5080, 32.5939

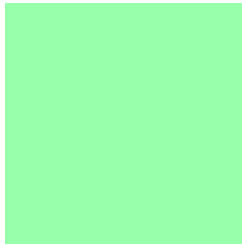


2.7177, 1.3295, 3.3609



# Previews

## White Background



This preview shows how the XYZ color 56.0596, 81.1357, 51.2342 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 56.0596, 81.1357, 51.2342 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 56.0596, 81.1357, 51.2342

## Background



This preview shows how black text looks on a background with the XYZ color 56.0596, 81.1357, 51.2342.



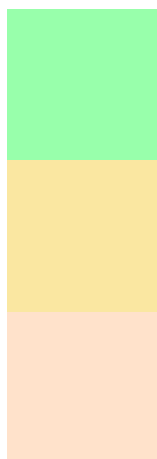
This preview shows how white text looks on a background with the XYZ color 56.0596, 81.1357,

51.2342.

# 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

56.0596, 81.1357, 51.2342

### Protanopia

74.4333, 80.0490, 45.2462

### Deuteranopia

79.2158, 79.9645, 67.7595



## Tritanopia

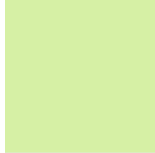
70.4453, 80.4873, 106.4305

# Trichromacy



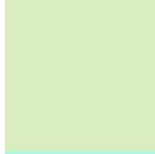
## Original Color

56.0596, 81.1357, 51.2342



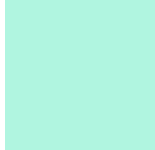
## Protanomaly

65.6832, 79.3329, 47.4482



## Deuteranomaly

68.6016, 79.2354, 60.9685



## Tritanomaly

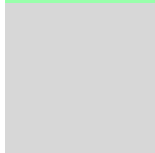
64.0114, 79.9167, 82.5727

# Monochromacy



## Original Color

56.0596, 81.1357, 51.2342



## 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 56.0596, 81.1357, 51.2342 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(152, 255, 171)` looks like.

```
.text, #text, p{  
    color:rgb(152, 255, 171)  
}
```

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(152, 255, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 255, 171) }
```

## Border

The CSS property to change the border of an element to XYZ 56.0596, 81.1357, 51.2342 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(152, 255, 171) }
```



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

```
.border{ border-color:rgb(152, 255, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 255, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 255, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 255, 171);  
box-shadow:4px 4px 4px 4px rgb(152, 255,  
171) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.0596, 81.1357, 51.2342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 255, 171) }
```

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

```
.background{ background-color: rgb(152,  
255, 171) }
```

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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