

# Converting Colors

XYZ(56.3374, 82.3169, 38.0124)

Have a look what the booklet for  
XYZ(56.3374, 82.3169, 38.0124)  
contains.

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# Color

**XYZ(55.8776, 81.3356,  
37.9536)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | A4FF8D                       |
| RGB         | 164, 255, 141                |
| RGB Percent | 64%, 100%, 55%               |
| CMY         | 0.3569, 0.0000, 0.4470       |
| CMYK        | 0.36, 0.00, 0.45, 0.00       |
| HSL         | 108°, 100%, 78%              |
| HSV         | 108°, 45%, 100%              |
| XYZ         | 55.8776, 81.3356, 37.9536    |
| YIQ         | 214.7950, -17.6420, -54.7460 |

# Conversions

## Conversions Part 2

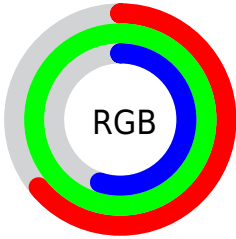
| Format                              | Color  |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">141, 255, 232</a>                |
| Decimal                             | <a href="#">10813325</a>                     |
| CIELab                              | <a href="#">92.28, -47.87, 45.94</a>         |
| CIELCh                              | <a href="#">92, 66.343, 136.179</a>          |
| Yxy                                 | <a href="#">81.3356, 0.3190, 0.4643</a>      |
| Android<br>(android.graphics.Color) | <a href="#">4289003405<br/>(0xFFA4FF8D)</a>  |
| YUV                                 | <a href="#">214.7950, -36.3809, -44.5472</a> |
| Hunter-Lab                          | <a href="#">90.1863, -47.2309, 38.1790</a>   |

# Details

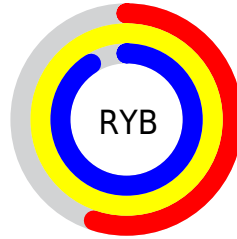
The XYZ color **55.8776, 81.3356, 37.9536** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **60.8548, 43.4269, 99.7826**, and the grayscale version is **64.6993, 68.0687, 74.1268**.

A 20% lighter version of the original color is **75.8480, 91.0351, 65.7985**, and **28.0189, 44.2185, 16.2908** is the 20% darker color. If you saturate the color by 10%, you get **50.3233, 78.6668, 28.9038**, and if you desaturate by 10%, it is **62.5419, 84.5261, 49.3377**.

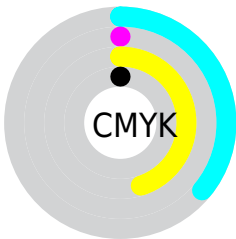
# Distribution



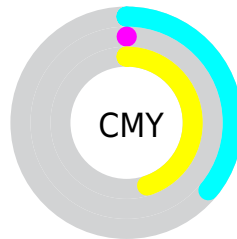
- Red (64%)
- Green (100%)
- Blue (55%)



- Red (55%)
- Yellow (100%)
- Blue (91%)



- Cyan (36%)
- Magenta (0%)
- Yellow (45%)
- Black (0%)




- Cyan (36%)
- Magenta (0%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.8776, 81.3356, 37.9536 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 55.8776, 81.3356, 37.9536 by changing the saturation by 10% instead.





 55.8776, 81.3356,  
37.9536


 55.8776, 81.3356,  
37.9536

399.3126,  
499.4226, 352.7131

 40.3414, 60.8180,  
25.6451


 97.9664, 135.2419,  
73.2396

 27.9902, 44.0783,  
16.3350


 125.2498,  
169.3994, 97.0543

 18.4587, 30.7321,  
9.6046

157.1796,  
208.8724, 125.5414

 11.3815, 20.3949,  
5.0354

194.1212,  
254.0452, 159.1196

 6.3932, 12.6824,  
2.2090

236.4399,  
305.3022, 198.2073

 3.1285, 7.2102,  
0.6795

284.5012,

 1.2221, 3.5939,

363.0278, 243.2231

0.0000

338.6703,  
427.6065, 294.5855

0.1237, 1.4491,  
0.0000

0.0000, 0.2525,  
0.0000

55.8776, 81.3356,  
37.9536

55.8776, 81.3356,  
37.9536

50.3233, 78.6668,  
28.9038

62.5419, 84.5261,  
49.3377

45.8155, 76.4906,  
22.0230

70.3723, 88.2641,  
63.1987

42.2857, 74.7756,  
17.1303

79.4224, 92.5744,  
79.6720

39.6564, 73.4864,  
14.0139

89.7422, 97.4800,  
98.8821

■ 37.8365, 72.5817, 95.0500, 100.0000,  
12.4135 108.9000

■ 37.1477, 72.2354,  
11.9849

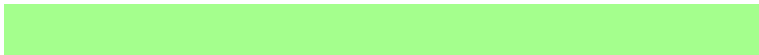
# Harmonies

## Analogous

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



68.4805, 81.3356, 25.3117



55.8776, 81.3356, 37.9536



49.5103, 81.3356, 67.8661

# Triad

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



55.8776, 81.3356, 37.9536



69.6959, 81.3356, 215.5163



113.4871, 81.3356, 64.7727

# Complementary

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



55.8776, 81.3356, 37.9536



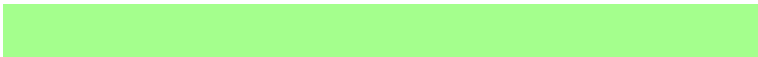
60.8548, 43.4269, 99.7826

# Split Complementary

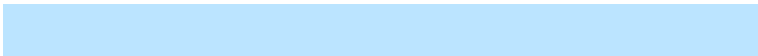
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



113.9410, 81.3356, 113.0848



55.8776, 81.3356, 37.9536



86.8612, 81.3356, 213.7027

# Square

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



55.8776, 81.3356, 37.9536



56.6535, 81.3356, 175.6387



103.6153, 81.3356, 171.3391



102.4539, 81.3356, 36.4138



# Rectangle

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



55.8776, 81.3356, 37.9536



48.9455, 81.3356, 99.1158



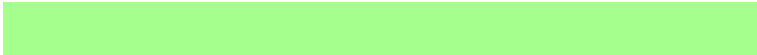
103.6153, 81.3356, 171.3391



114.9321, 81.3356, 78.7828

# Sweetspot

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



55.8780, 81.3358, 37.9548



81.0905, 93.3679, 82.7498



74.4285, 79.9443, 36.7085



16.8959, 19.7654, 16.8621



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

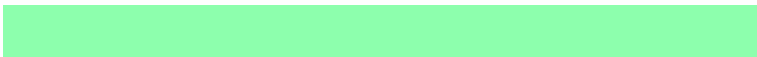
The Same Dimension uses a secret algorithm to generate beautiful new colors.



55.8780, 81.3358, 37.9548



50.6796, 78.8384, 29.4685



54.3172, 80.2118, 52.3083



18.1137, 20.3445, 19.1165



19.5064, 37.7940, 6.2669



1.9833, 3.7232, 0.6141



# Inverse Universe

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



60.8548, 43.4269, 99.7826



56.1944, 36.3794, 98.6679



64.0443, 45.6223, 75.0313



18.4126, 18.1044, 22.7740



22.5057, 10.5126, 50.2775

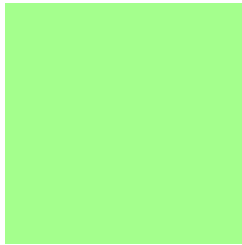


2.2780, 1.0683, 4.8994



# Previews

## White Background



This preview shows how the XYZ color 55.8776, 81.3356, 37.9536 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

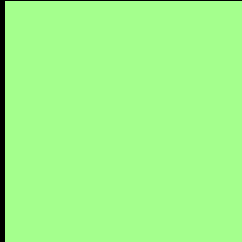
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.8776, 81.3356, 37.9536 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

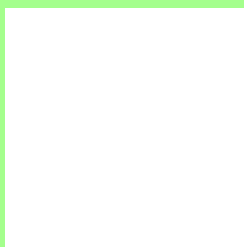
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 55.8776, 81.3356, 37.9536**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.8776, 81.3356, 37.9536.



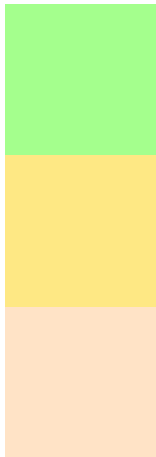
This preview shows how white text looks on a background with the XYZ color 55.8776, 81.3356,



# 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

55.8776, 81.3356, 37.9536

### Protanopia

73.8945, 80.4500, 33.4635

### Deuteranopia

78.9021, 80.2754, 64.7622



## Tritanopia

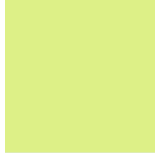
71.6815, 80.6888, 106.4042

# Trichromacy



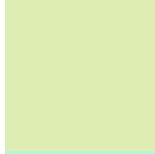
## Original Color

55.8776, 81.3356, 37.9536



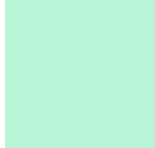
## Protanomaly

65.3521, 79.4416, 34.8110



## Deuteranomaly

68.3442, 79.2723, 53.2939



## Tritanomaly

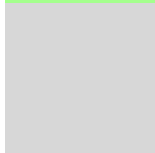
64.5572, 80.3502, 75.7249

# Monochromacy



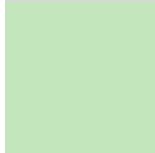
## Original Color

55.8776, 81.3356, 37.9536



## Achromatopsia

64.5905, 67.9542, 74.0022



## Achromatomaly

60.1389, 71.9602, 58.2970

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.8776, 81.3356, 37.9536 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(164, 255, 141)` looks like.

```
.text, #text, p{  
    color:rgb(164, 255, 141)  
}
```

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(164, 255, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 255, 141) }
```

## Border

The CSS property to change the border of an element to XYZ 55.8776, 81.3356, 37.9536 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(164, 255, 141) }
```



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

```
.border{ border-color:rgb(164, 255, 141) }
```

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

Here you see how a box with a 4 pixel rgb(164, 255, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 255, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 255, 141);  
box-shadow:4px 4px 4px 4px rgb(164, 255,  
141) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.8776, 81.3356, 37.9536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 255, 141) }
```

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

```
.background{ background-color: rgb(164,  
255, 141) }
```

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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