

# Converting Colors

XYZ(56.3424, 81.3841, 46.6102)

Have a look what the booklet for  
XYZ(56.3424, 81.3841, 46.6102)  
contains.

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# Color

**XYZ(56.2936, 81.3623,  
46.4557)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9EFFA1
RGB	158, 255, 161
RGB Percent	62%, 100%, 63%
CMY	0.3804, 0.0000, 0.3686
CMYK	0.38, 0.00, 0.37, 0.00
HSL	122°, 100%, 81%
HSV	122°, 38%, 100%
XYZ	56.2936, 81.3623, 46.4557
YIQ	215.2810, -27.6380, -49.7980

# Conversions

## Conversions Part 2

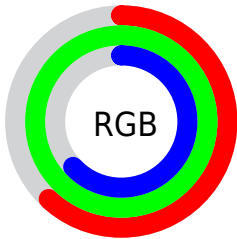
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">158, 252, 255</a>
Decimal	<a href="#">10420129</a>
CIELab	<a href="#">92.29, -46.88, 36.15</a>
CIELCh	<a href="#">92, 59.198, 142.367</a>
Yxy	<a href="#">81.3623, 0.3058, 0.4419</a>
Android (android.graphics.Color)	<a href="#">4288610209 (0xFF9EFA1)</a>
YUV	<a href="#">215.2810, -26.7605, -50.2354</a>
Hunter-Lab	<a href="#">90.2011, -46.4517, 32.6050</a>

# Details

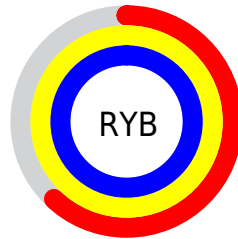
The XYZ color **56.2936, 81.3623, 46.4557** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **71.0376, 52.7424, 98.5306**, and the grayscale version is **64.9707, 68.3542, 74.4377**.

A 20% lighter version of the original color is **76.6033, 91.1287, 79.1978**, and **28.3803, 44.2957, 21.2415** is the 20% darker color. If you saturate the color by 10%, you get **49.8190, 78.2519, 35.8798**, and if you desaturate by 10%, it is **64.2404, 85.1819, 59.3509**.

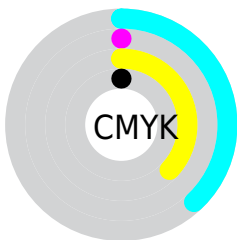
# Distribution



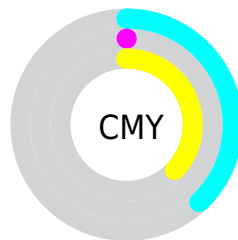
- Red (62%)
- Green (100%)
- Blue (63%)



- Red (62%)
- Yellow (99%)
- Blue (100%)



- Cyan (38%)
- Magenta (0%)
- Yellow (37%)
- Black (0%)




- Cyan (38%)
- Magenta (0%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.2936, 81.3623, 46.4557 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 56.2936, 81.3623, 46.4557 by changing the saturation by 10% instead.





 56.2936, 81.3623,  
46.4557


 56.2936, 81.3623,  
46.4557


400.8541,  
499.5121, 388.9684

 40.6763, 60.8400,  
32.2543


 98.5710, 135.2794,  
86.2420

 28.2528, 44.0961,  
21.2894


 125.9619,  
169.4430, 112.6641

 18.6577, 30.7461,  
13.1424

158.0080,  
208.9224, 143.9967

 11.5258, 20.4056,  
7.3948

195.0746,  
254.1022, 180.6586

 6.4915, 12.6902,  
3.6280

237.5272,  
305.3667, 223.0681

 3.1897, 7.2156,  
1.4236


285.7311,


 1.2548, 3.5973,


363.1002, 271.6439


0.1600


340.0516,  
427.6872, 326.8045


 0.1490, 1.4509,  
0.0000


 0.0000, 0.2538,  
0.0000


 56.2936, 81.3623,  
46.4557


 56.2936, 81.3623,  
46.4557


 49.8190, 78.2519,  
35.8798


 64.2404, 85.1819,  
59.3509

 44.7249, 75.8064,  
27.4820

 73.7407, 89.7499,  
74.6874

 40.9114, 73.9776,  
21.1118

 84.8715, 95.1034,  
92.5836

 38.2648, 72.7103,  
16.5980

95.0500, 100.0000,  
108.9000

■ 36.6512, 71.9400,  
13.7415

■ 35.8936, 71.5807,  
12.2966

■ 35.8032, 71.5373,  
12.1476

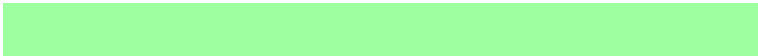
# Harmonies

## Analogous

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



66.6679, 81.3623, 31.2799



56.2936, 81.3623, 46.4557



51.6826, 81.3623, 77.8613

# Triad

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



56.2936, 81.3623, 46.4557



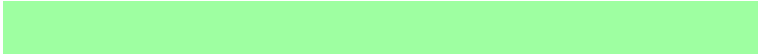
73.4895, 81.3623, 201.1011



107.8573, 81.3623, 60.2378

# Complementary

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



56.2936, 81.3623, 46.4557



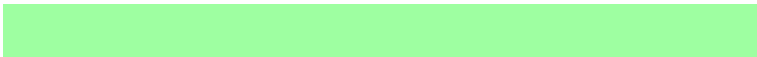
71.0376, 52.7424, 98.5306

# 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.



110.3134, 81.3623, 100.2610



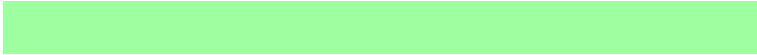
56.2936, 81.3623, 46.4557



89.0776, 81.3623, 191.5952

# Square

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



56.2936, 81.3623, 46.4557



60.7221, 81.3623, 173.4790



103.0517, 81.3623, 150.6458

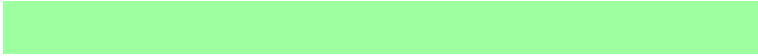


96.7252, 81.3623, 37.2114



# Rectangle

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



56.2936, 81.3623, 46.4557



52.0058, 81.3623, 107.8892



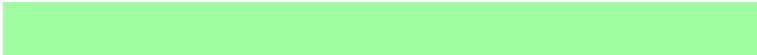
103.0517, 81.3623, 150.6458



109.7796, 81.3623, 71.7410

# Sweetspot

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



56.2941, 81.3625, 46.4570



81.4011, 93.4341, 87.0106



82.5794, 94.9433, 46.3219



17.0936, 19.8402, 18.0943



0.0000, 0.0000, 0.0000

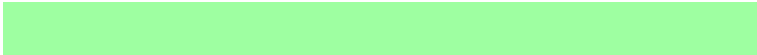


20.3446, 21.4041, 23.3091



# Same Dimension

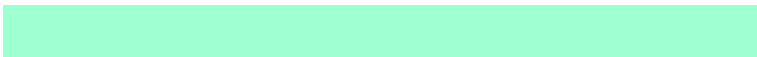
The Same Dimension uses a secret algorithm to generate beautiful new colors.



56.2941, 81.3625, 46.4570



51.0239, 78.8306, 37.8546



61.2604, 83.3491, 72.6094



17.7943, 20.1773, 19.2200



18.7178, 37.3837, 6.3992



1.8301, 3.6430, 0.6634



# Inverse Universe

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



71.0376, 52.7424, 98.5306



67.7566, 46.3394, 96.9466



64.4725, 50.1164, 63.9596



18.7670, 18.2901, 22.6560



30.3409, 14.6256, 47.3070

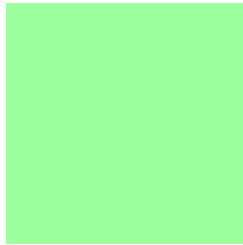


2.9615, 1.4270, 4.6448



# Previews

## White Background



This preview shows how the XYZ color 56.2936, 81.3623, 46.4557 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 56.2936, 81.3623, 46.4557 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

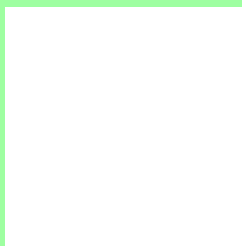
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 56.2936, 81.3623, 46.4557**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.2936, 81.3623, 46.4557.



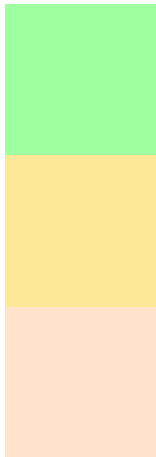
This preview shows how white text looks on a background with the XYZ color 56.2936, 81.3623,



# 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

56.2936, 81.3623, 46.4557

### Protanopia

74.5874, 80.6430, 40.9126

### Deuteranopia

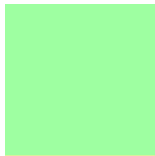
79.3698, 80.4624, 67.2247



## Tritanopia

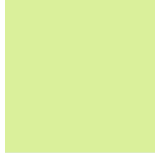
71.2024, 80.8776, 106.4659

# Trichromacy



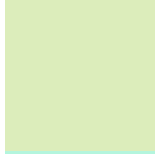
## Original Color

56.2936, 81.3623, 46.4557



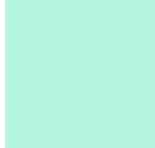
## Protanomaly

65.9899, 79.5922, 42.8951



## Deuteranomaly

68.7690, 79.3719, 58.7095



## Tritanomaly

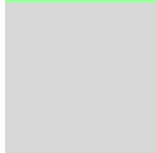
64.5259, 80.2286, 80.4914

# Monochromacy



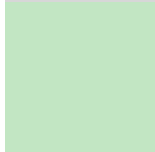
## Original Color

56.2936, 81.3623, 46.4557



## Achromatopsia

64.5905, 67.9542, 74.0022



## Achromatomaly

60.3953, 72.0031, 62.3446

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.2936, 81.3623, 46.4557 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(158, 255, 161)` looks like.

```
.text, #text, p{  
    color:rgb(158, 255, 161)  
}
```

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(158, 255, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 255, 161) }
```

## Border

The CSS property to change the border of an element to XYZ 56.2936, 81.3623, 46.4557 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(158, 255, 161) }
```



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

```
.border{ border-color:rgb(158, 255, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 255, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 255, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 255, 161);  
box-shadow:4px 4px 4px 4px rgb(158, 255,  
161) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.2936, 81.3623, 46.4557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 255, 161) }
```

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

```
.background{ background-color: rgb(158,  
255, 161) }
```

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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