

# Converting Colors

XYZ(55.8828, 77.6443, 43.2951)

Have a look what the booklet for  
XYZ(55.8828, 77.6443, 43.2951)  
contains.

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# Color

**XYZ(55.8391, 77.4679,  
43.4623)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AAF79C
RGB	170, 247, 156
RGB Percent	67%, 97%, 61%
CMY	0.3333, 0.0314, 0.3882
CMYK	0.31, 0.00, 0.37, 0.03
HSL	111°, 85%, 79%
HSV	111°, 37%, 97%
XYZ	55.8391, 77.4679, 43.4623
YIQ	213.6030, -16.6810, -44.6250

# Conversions

## Conversions Part 2

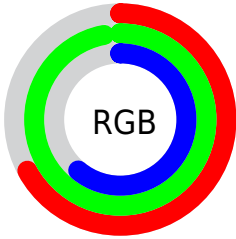
<b>Format</b>	<b>Color</b>
<b>RYB</b>	156, 247, 233
Decimal	11204508
CIELab	90.54, -40.44, 36.43
CIElCh	91, 54.429, 137.993
Yxy	77.4679, 0.3159, 0.4382
Android (android.graphics.Color)	4289394588 (0xFFAAF79C)
YUV	213.6030, -28.3983, -38.2398
Hunter-Lab	88.0159, -40.7836, 32.3336

# Details

The XYZ color **55.8391, 77.4679, 43.4623** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **62.2848, 47.8184, 93.9469**, and the grayscale version is **63.8442, 67.1690, 73.1471**.

A 20% lighter version of the original color is **79.1964, 92.5540, 75.3186**, and **27.9824, 41.4712, 19.6266** is the 20% darker color. If you saturate the color by 10%, you get **49.7922, 74.5705, 33.3495**, and if you desaturate by 10%, it is **63.0336, 80.9123, 55.8520**.

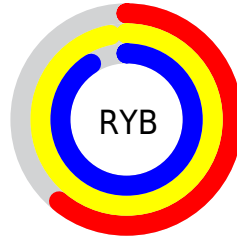
# Distribution



Red (67%)

Green (97%)

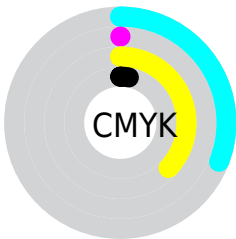
Blue (61%)



Red (61%)

Yellow (97%)

Blue (91%)

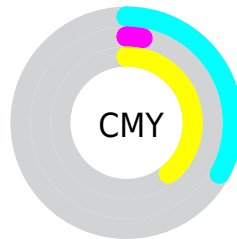


Cyan (31%)

Magenta (0%)

Yellow (37%)

Black (3%)



Cyan (33%)

Magenta (3%)


Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.8391, 77.4679, 43.4623 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 55.8391, 77.4679, 43.4623 by changing the saturation by 10% instead.





 55.8391, 77.4679,  
43.4623


 55.8391, 77.4679,  
43.4623


399.1697,  
486.3579, 376.4865

 40.3104, 57.6370,  
29.9139


 97.9105, 129.7998,  
81.7019

 27.9660, 41.5169,  
19.5218


 125.1839,  
163.0695, 107.2301

 18.4403, 28.7232,  
11.8673


157.1029,  
201.5876, 137.5887

 11.3682, 18.8715,  
6.5319

194.0329,  
245.7385, 173.1963

 6.3842, 11.5775,  
3.0972

236.3392,  
295.9066, 214.4713

 3.1229, 6.4567,  
1.1445

284.3872,

 1.2191, 3.1247,

352.4762, 261.8323

0.0000

338.5423,  
415.8319, 315.6978

0.1214, 1.1972,  
0.0000

0.0000, 0.0594,  
0.0000

55.8391, 77.4679,  
43.4623

55.8391, 77.4679,  
43.4623

49.7922, 74.5705,  
33.3495

63.0336, 80.9123,  
55.8520

44.8273, 72.1825,  
25.3703

71.4252, 84.9197,  
70.6401

40.8808, 70.2766,  
19.3731

81.0676, 89.5176,  
87.9456

37.8803, 68.8194,  
15.1842

92.0096, 94.7285,  
107.8781

■ 35.7428, 67.7725,  
12.6000

■ 92.5523, 95.0047,  
108.0674

■ 34.3695, 67.0905,  
11.3623

■ 34.0615, 66.9366,  
11.1248

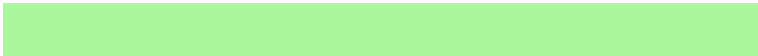
# Harmonies

## Analogous

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



65.8356, 77.4679, 31.2440



55.8391, 77.4679, 43.4623



50.8759, 77.4679, 69.6927

# Triad

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



55.8391, 77.4679, 43.4623



68.3176, 77.4679, 181.0037



101.4451, 77.4679, 63.2421

# Complementary

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



55.8391, 77.4679, 43.4623



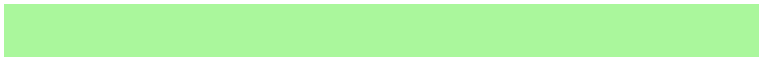
62.2848, 47.8184, 93.9469

# 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.



102.3239, 77.4679, 100.9291



55.8391, 77.4679, 43.4623



82.0184, 77.4679, 177.6526

# Square

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



55.8391, 77.4679, 43.4623



57.4625, 77.4679, 153.2357



94.8497, 77.4679, 145.1382

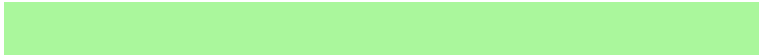


92.5790, 77.4679, 39.9995



# Rectangle

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



55.8391, 77.4679, 43.4623



50.6275, 77.4679, 95.2119



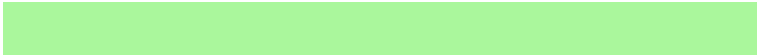
94.8497, 77.4679, 145.1382



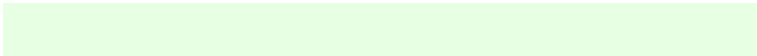
102.7209, 77.4679, 74.3461

# Sweetspot

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



55.8411, 77.4712, 43.4640



82.6587, 94.0963, 86.4427



73.1716, 79.7976, 42.9996



17.3905, 19.9965, 17.9604



0.0000, 0.0000, 0.0000

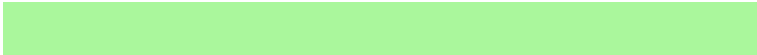


20.3446, 21.4041, 23.3091

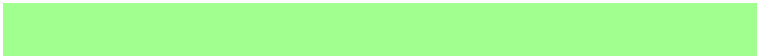


# Same Dimension

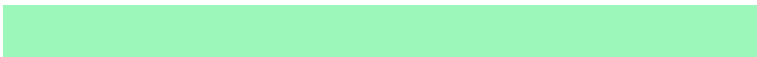
The Same Dimension uses a secret algorithm to generate beautiful new colors.



55.8411, 77.4712, 43.4640



55.2117, 80.9768, 38.6273



55.8720, 77.1524, 58.5895



16.5195, 18.5943, 17.5160



18.0869, 35.4370, 5.8867



1.6590, 3.1503, 0.5206



# Inverse Universe

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



62.2848, 47.8184, 93.9469



63.0155, 44.9373, 99.9602



62.7301, 48.5456, 71.4855



16.9486, 16.6317, 20.8595



22.8844, 10.7717, 47.4110

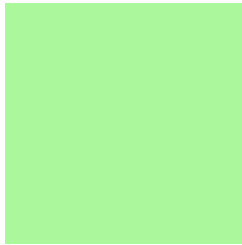


2.0775, 0.9808, 4.1701



# Previews

## White Background



This preview shows how the XYZ color 55.8391, 77.4679, 43.4623 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 55.8391, 77.4679, 43.4623 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 55.8391, 77.4679, 43.4623**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.8391, 77.4679, 43.4623.



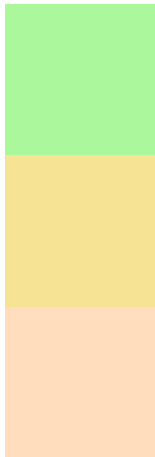
This preview shows how white text looks on a background with the XYZ color 55.8391, 77.4679,

43.4623.

# 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

55.8391, 77.4679, 43.4623

### Protanopia

71.1722, 76.8504, 39.0994

### Deuteranopia

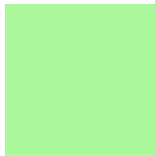
76.2818, 76.6470, 58.9180



## Tritanopia

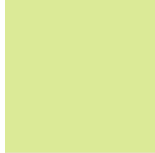
68.0912, 77.1372, 105.0661

# Trichromacy



## Original Color

55.8391, 77.4679, 43.4623



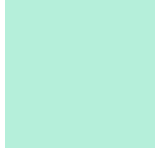
## Protanomaly

64.2221, 76.1401, 40.5898



## Deuteranomaly

66.9731, 75.6152, 52.6603



## Tritanomaly

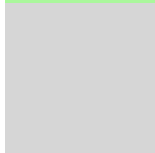
62.5774, 76.6187, 77.8204

# Monochromacy



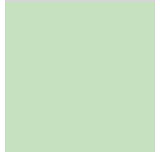
## Original Color

55.8391, 77.4679, 43.4623



## Achromatopsia

63.9157, 67.2443, 73.2291



## Achromatomaly

60.1107, 70.2487, 60.8433

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.8391, 77.4679, 43.4623 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(170, 247, 156)` looks like.

```
.text, #text, p{  
    color:rgb(170, 247, 156)  
}
```

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(170, 247, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 247, 156) }
```

## Border

The CSS property to change the border of an element to XYZ 55.8391, 77.4679, 43.4623 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(170, 247, 156) }
```



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

```
.border{ border-color:rgb(170, 247, 156) }
```

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

Here you see how a box with a 4 pixel rgb(170, 247, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 247, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 247, 156);  
box-shadow:4px 4px 4px 4px rgb(170, 247,  
156) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.8391, 77.4679, 43.4623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 247, 156) }
```

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

```
.background{ background-color: rgb(170,  
247, 156) }
```

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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