

Converting Colors

XYZ(56.9675, 79.0122, 41.6557)

Have a look what the booklet for
XYZ(56.9675, 79.0122, 41.6557)
contains.

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Color

**XYZ(56.9172, 78.9844,
41.5238)**

Conversions

Conversions Part 1

Format	Color
Hex	AEF997
RGB	174, 249, 151
RGB Percent	68%, 98%, 59%
CMY	0.3176, 0.0235, 0.4078
CMYK	0.30, 0.00, 0.39, 0.02
HSL	106°, 89%, 78%
HSV	106°, 39%, 98%
XYZ	56.9172, 78.9844, 41.5238
YIQ	215.4030, -13.2420, -46.3780

Conversions

Conversions Part 2

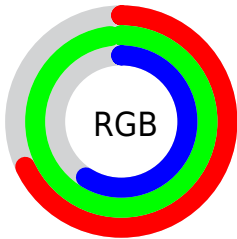
Format	Color
RYB	151, 249, 226
Decimal	11467159
CIELab	91.23, -40.74, 39.84
CIELCh	91, 56.984, 135.644
Yxy	78.9844, 0.3208, 0.4452
Android (android.graphics.Color)	4289657239 (0xFFAEF997)
YUV	215.4030, -31.7507, -36.3104
Hunter-Lab	88.8732, -41.2110, 34.5094

Details

The XYZ color **56.9172, 78.9844, 41.5238** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **59.5329, 45.1438, 95.2026**, and the grayscale version is **65.0814, 68.4707, 74.5646**.

A 20% lighter version of the original color is **79.8556, 92.9652, 72.1278**, and **28.7095, 42.5221, 18.4988** is the 20% darker color. If you saturate the color by 10%, you get **51.1566, 76.2266, 31.7902**, and if you desaturate by 10%, it is **63.7113, 82.2304, 53.5382**.

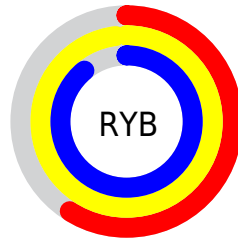
Distribution



Red (68%)

Green (98%)

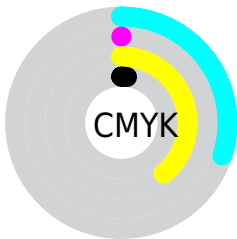
Blue (59%)



Red (59%)

Yellow (98%)

Blue (89%)

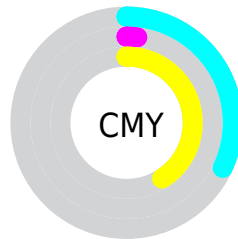


Cyan (30%)

Magenta (0%)

Yellow (39%)

Black (2%)



Cyan (32%)


Magenta (2%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.9172, 78.9844, 41.5238 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 56.9172, 78.9844, 41.5238 by changing the saturation by 10% instead.


 56.9172, 78.9844,
41.5238

 56.9172, 78.9844,
41.5238


403.1582,
491.5036, 368.2464

 41.1786, 58.8830,
28.4058


 99.4764, 131.9369,
78.7407

 28.6470, 42.5189,
18.3901


 127.0278,
165.5568, 103.6767

 18.9569, 29.5078,
11.0581


159.2475,
204.4516, 133.3891

 11.7429, 19.4653,
5.9913

196.5009,
249.0057, 168.2965

 6.6398, 12.0070,
2.7711

239.1533,
299.6036, 208.8173

 3.2822, 6.7484,
0.9790


287.5700,


 1.3047, 3.3053,


356.6296, 255.3703


0.0000


342.1166,
420.4681, 308.3737


 0.1867, 1.2931,
0.0000


 0.0000, 0.1359,
0.0000


 56.9172, 78.9844,
41.5238


 56.9172, 78.9844,
41.5238


 51.1566, 76.2266,
31.7902


 63.7113, 82.2304,
53.5382


 46.3711, 73.9229,
24.1883

 71.5814, 85.9765,
67.9598

 42.5055, 72.0507,
18.5594

 80.5748, 90.2469,
84.9116

 39.4962, 70.5811,
14.7203

 90.7342, 95.0611,
104.5069

■ 37.2702, 69.4815,
12.4538

■ 93.1673, 96.2345,
108.2724

■ 35.7289, 68.7081,
11.4248

■ 35.6475, 68.6671,
11.3753

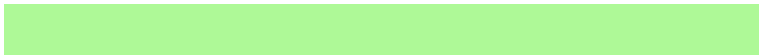
Harmonies

Analogous

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



67.8309, 78.9844, 29.9030



56.9172, 78.9844, 41.5238



51.2571, 78.9844, 67.7510

Triad

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



56.9172, 78.9844, 41.5238



68.3956, 78.9844, 188.3357



105.1114, 78.9844, 66.2897

Complementary

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



56.9172, 78.9844, 41.5238



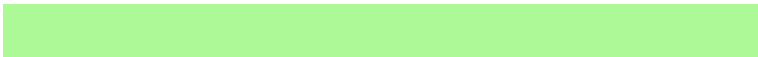
59.5329, 45.1438, 95.2026

Split Complementary

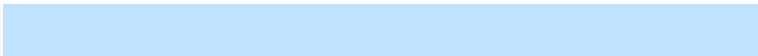
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



105.3136, 78.9844, 107.2642



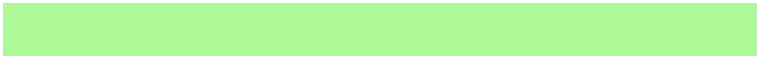
56.9172, 78.9844, 41.5238



82.8116, 78.9844, 187.5570

Square

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



56.9172, 78.9844, 41.5238



57.2847, 78.9844, 156.3124



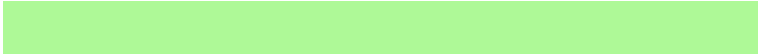
96.7278, 78.9844, 154.4384



96.2065, 78.9844, 40.7512

Rectangle

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



56.9172, 78.9844, 41.5238



50.6912, 78.9844, 94.0604



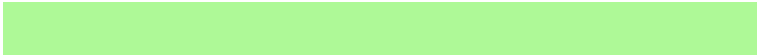
96.7278, 78.9844, 154.4384



106.2343, 78.9844, 78.4148

Sweetspot

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



56.9192, 78.9878, 41.5255



82.4117, 94.0093, 84.6078



71.4464, 75.9581, 40.1751



17.3680, 19.9930, 17.5958



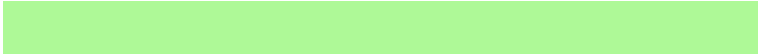
0.0000, 0.0000, 0.0000



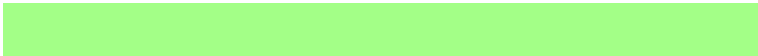
20.3446, 21.4041, 23.3091

Same Dimension

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



56.9192, 78.9878, 41.5255



55.3044, 81.0891, 35.7140



54.4277, 77.4491, 52.8976



17.3986, 19.5057, 18.3104



19.1840, 36.8080, 6.0936



1.8662, 3.4552, 0.5686

Inverse Universe

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



59.5329, 45.1438, 95.2026



58.3740, 40.9004, 99.4257



63.6589, 47.6840, 76.7290



17.5715, 17.3073, 21.7998



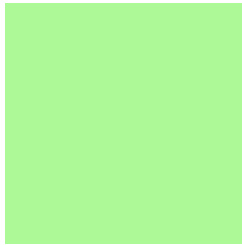
20.7275, 9.6281, 48.7395



2.0125, 0.9396, 4.5185

Previews

White Background



This preview shows how the XYZ color 56.9172, 78.9844, 41.5238 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 56.9172, 78.9844, 41.5238 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

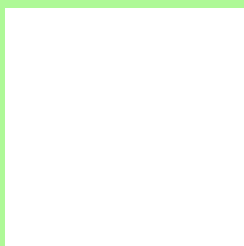
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.9172, 78.9844, 41.5238

Background



This preview shows how black text looks on a background with the XYZ color 56.9172, 78.9844, 41.5238.



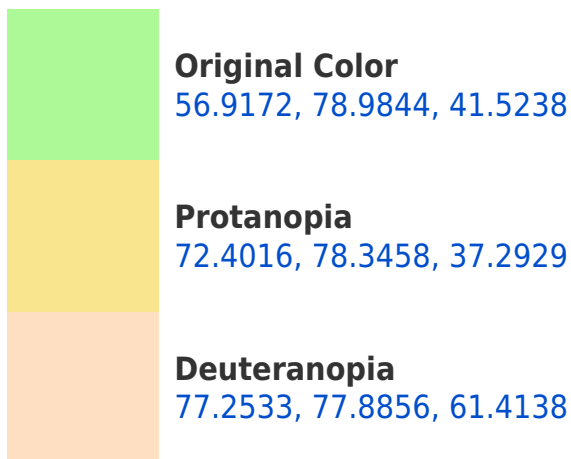
This preview shows how white text looks on a background with the XYZ color 56.9172, 78.9844,

41.5238.

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





Tritanopia

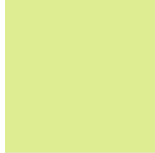
69.7837, 78.4174, 106.0658

Trichromacy



Original Color

56.9172, 78.9844, 41.5238



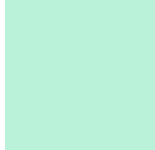
Protanomaly

65.3080, 77.5958, 38.7295



Deuteranomaly

68.2565, 77.0963, 53.4031



Tritanomaly

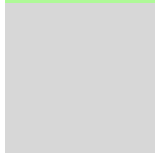
63.9873, 78.2346, 77.3739

Monochromacy



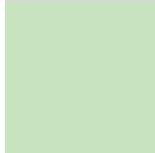
Original Color

56.9172, 78.9844, 41.5238



Achromatopsia

64.5905, 67.9542, 74.0022



Achromatomaly

60.8029, 71.0233, 60.3734

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.9172, 78.9844, 41.5238 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(174, 249, 151)` looks like.

```
.text, #text, p{  
    color:rgb(174, 249, 151)  
}
```

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(174, 249, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 249, 151) }
```

Border

The CSS property to change the border of an element to XYZ 56.9172, 78.9844, 41.5238 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(174, 249, 151) }
```


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

```
.border{ border-color:rgb(174, 249, 151) }
```

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

Here you see how a box with a 4 pixel rgb(174, 249, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 249, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 249, 151);  
box-shadow:4px 4px 4px 4px rgb(174, 249,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 56.9172, 78.9844, 41.5238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 249, 151) }
```

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

```
.background{ background-color: rgb(174,  
249, 151) }
```

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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