

Converting Colors

XYZ(54.5242, 76.8561, 48.8462)

Have a look what the booklet for
XYZ(54.5242, 76.8561, 48.8462)
contains.

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Color

**XYZ(54.4292, 76.6178,
48.9658)**

Conversions

Conversions Part 1

Format	Color
Hex	9EF7A8
RGB	158, 247, 168
RGB Percent	62%, 97%, 66%
CMY	0.3804, 0.0314, 0.3412
CMYK	0.36, 0.00, 0.32, 0.03
HSL	127°, 85%, 79%
HSV	127°, 36%, 97%
XYZ	54.4292, 76.6178, 48.9658
YIQ	211.3830, -27.6850, -43.4370

Conversions

Conversions Part 2

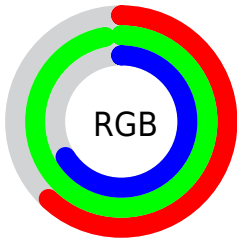
Format	Color
RYB	158, 238, 247
Decimal	10418088
CIELab	90.15, -42.31, 29.78
CIELCh	90, 51.742, 144.862
Yxy	76.6178, 0.3024, 0.4256
Android (android.graphics.Color)	4288608168 (0xFF9EF7A8)
YUV	211.3830, -21.3878, -46.8169
Hunter-Lab	87.5316, -42.1848, 28.1049

Details

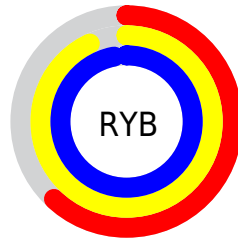
The XYZ color **54.4292, 76.6178, 48.9658** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **65.8732, 50.3438, 86.3690**, and the grayscale version is **62.3220, 65.5676, 71.4032**.

A 20% lighter version of the original color is **77.2389, 91.3489, 84.0822**, and **27.1015, 40.9483, 22.6951** is the 20% darker color. If you saturate the color by 10%, you get **48.1770, 73.6133, 38.8954**, and if you desaturate by 10%, it is **62.0062, 80.2698, 60.8992**.

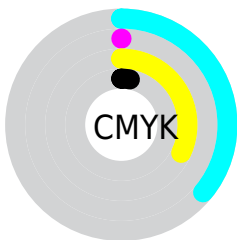
Distribution



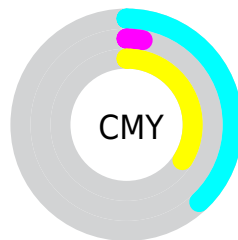
- Red (62%)
- Green (97%)
- Blue (66%)



- Red (62%)
- Yellow (93%)
- Blue (97%)



- Cyan (36%)
- Magenta (0%)
- Yellow (32%)
- Black (3%)





- Cyan (38%)
- Magenta (3%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.4292, 76.6178, 48.9658 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 54.4292, 76.6178, 48.9658 by changing the saturation by 10% instead.

 54.4292, 76.6178,
48.9658


 54.4292, 76.6178,
48.9658


393.9163,
483.4599, 399.2263

 39.1769, 56.9392,
34.2269


 95.8573, 128.5998,
90.0211

 27.0787, 40.9565,
22.7892


 122.7639,
161.6721, 117.1747

 17.7693, 28.2851,
14.2341


154.2860,
199.9777, 149.3035

 10.8831, 18.5407,
8.1431

190.7890,
243.9011, 186.8262

 6.0550, 11.3388,
4.0975

232.6381,
293.8266, 230.1613

 2.9195, 6.2952,
1.6790


280.1988,


 1.1114, 3.0254,


350.1386, 279.7273


0.3463


333.8364,
413.2216, 335.9428


 0.0346, 1.1450,
0.0000


 0.0000, 0.0161,
0.0000


 54.4292, 76.6178,
48.9658


 54.4292, 76.6178,
48.9658


 48.1770, 73.6133,
38.8954


 62.0062, 80.2698,
60.8992


 43.1676, 71.2096,
30.5891

 70.9720, 84.5940,
74.7774

 39.3190, 69.3686,
23.9468

 81.3936, 89.6253,
90.6837

 36.5369, 68.0441,
18.8563

 92.5523, 95.0045,
108.0674

■ 34.7119, 67.1825,
15.1916

■ 33.7103, 66.7179,
12.8067

■ 33.4690, 66.6072,
12.1758

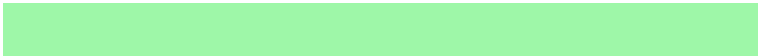
Harmonies

Analogous

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



62.9213, 76.6178, 34.2833



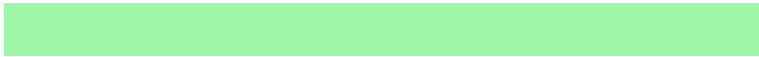
54.4292, 76.6178, 48.9658



50.8827, 76.6178, 77.2459

Triad

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



54.4292, 76.6178, 48.9658



70.6326, 76.6178, 175.6072



97.6193, 76.6178, 57.0704

Complementary

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



54.4292, 76.6178, 48.9658



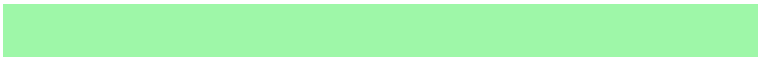
65.8732, 50.3438, 86.3690

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.



100.3067, 76.6178, 89.9226



54.4292, 76.6178, 48.9658



83.7124, 76.6178, 165.5035

Square

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



54.4292, 76.6178, 48.9658



59.5082, 76.6178, 155.6985



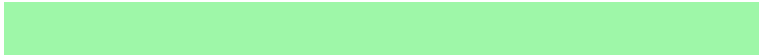
94.9538, 76.6178, 131.1359



87.9888, 76.6178, 37.9067

Rectangle

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



54.4292, 76.6178, 48.9658



51.4575, 76.6178, 102.9208



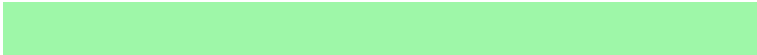
94.9538, 76.6178, 131.1359



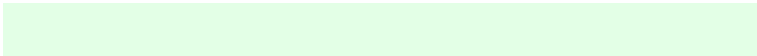
99.4091, 76.6178, 66.5590

Sweetspot

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



54.4312, 76.6210, 48.9675



81.7200, 93.5617, 88.6901



74.7289, 87.1885, 45.2387



17.1689, 19.8703, 18.4906



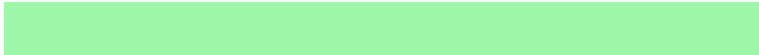
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



54.4312, 76.6210, 48.9675



53.6421, 80.0289, 44.8195



59.1716, 78.5172, 73.9302



16.3579, 18.5023, 17.9031



17.7251, 35.2349, 6.5723



1.5821, 3.1065, 0.7055

Inverse Universe

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



65.8732, 50.3438, 86.3690



67.5481, 48.0696, 90.2581



60.2796, 48.1064, 56.9137



17.1287, 16.7343, 20.4243



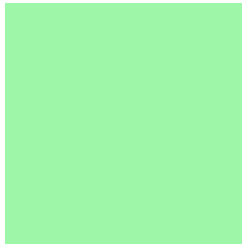
27.0989, 13.1830, 36.8247



2.4041, 1.1676, 3.3545

Previews

White Background



This preview shows how the XYZ color 54.4292, 76.6178, 48.9658 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 54.4292, 76.6178, 48.9658 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

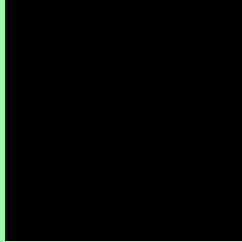
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 54.4292, 76.6178, 48.9658

Background



This preview shows how black text looks on a background with the XYZ color 54.4292, 76.6178, 48.9658.



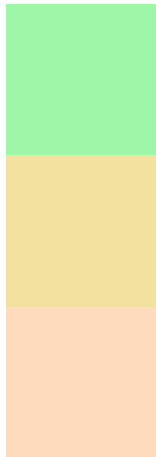
This preview shows how white text looks on a background with the XYZ color 54.4292, 76.6178,

48.9658.

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

54.4292, 76.6178, 48.9658

Protanopia

70.1454, 75.4083, 43.6591

Deuteranopia

75.8658, 75.6407, 59.3168



Tritanopia

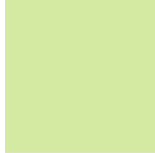
65.7246, 76.3249, 105.8759

Trichromacy



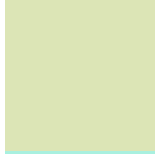
Original Color

54.4292, 76.6178, 48.9658



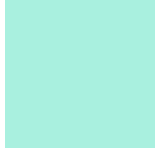
Protanomaly

62.8119, 74.8835, 45.3258



Deuteranomaly

65.9780, 74.6317, 55.1839



Tritanomaly

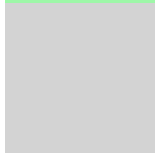
60.8416, 76.0829, 81.2908

Monochromacy



Original Color

54.4292, 76.6178, 48.9658



Achromatopsia

61.9161, 65.1406, 70.9381



Achromatomaly

58.2442, 68.4579, 61.7737

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.4292, 76.6178, 48.9658 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, 247, 168)` looks like.

```
.text, #text, p{  
    color:rgb(158, 247, 168)  
}
```

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, 247, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 247, 168) }
```

Border

The CSS property to change the border of an element to XYZ 54.4292, 76.6178, 48.9658 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, 247, 168) }
```


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

```
.border{ border-color:rgb(158, 247, 168) }
```

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

Here you see how a box with a 4 pixel rgb(158, 247, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 247, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 247, 168);  
box-shadow:4px 4px 4px 4px rgb(158, 247,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 54.4292, 76.6178, 48.9658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 247, 168) }
```

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

```
.background{ background-color: rgb(158,  
247, 168) }
```

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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