

Converting Colors

XYZ(54.1342, 76.1210, 38.4497)

Have a look what the booklet for
XYZ(54.1342, 76.1210, 38.4497)
contains.

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Color

**XYZ(54.2151, 76.2807,
38.6543)**

Conversions

Conversions Part 1

Format	Color
Hex	A8F691
RGB	168, 246, 145
RGB Percent	66%, 96%, 57%
CMY	0.3412, 0.0353, 0.4314
CMYK	0.32, 0.00, 0.41, 0.04
HSL	106°, 85%, 77%
HSV	106°, 41%, 96%
XYZ	54.2151, 76.2807, 38.6543
YIQ	211.1640, -14.0670, -47.9470

Conversions

Conversions Part 2

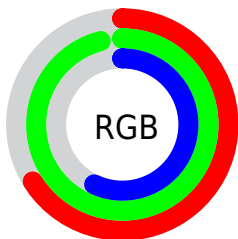
Format	Color
RYB	145, 246, 223
Decimal	11073169
CIELab	89.99, -42.19, 41.13
CIELCh	90, 58.915, 135.730
Yxy	76.2807, 0.3205, 0.4510
Android (android.graphics.Color)	4289263249 (0xFFA8F691)
YUV	211.1640, -32.6189, -37.8548
Hunter-Lab	87.3388, -42.0400, 34.8967

Details

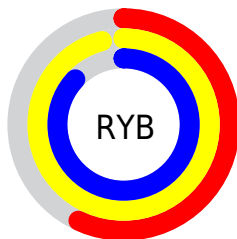
The XYZ color **54.2151, 76.2807, 38.6543** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **57.1948, 42.5949, 92.4000**, and the grayscale version is **62.2425, 65.4840, 71.3121**.

A 20% lighter version of the original color is **77.2367, 91.6977, 68.2722**, and **26.8555, 40.6303, 16.7829** is the 20% darker color. If you saturate the color by 10%, you get **48.7667, 73.6702, 29.5471**, and if you desaturate by 10%, it is **60.6690, 79.3667, 49.9555**.

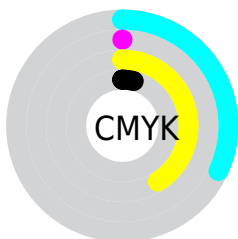
Distribution



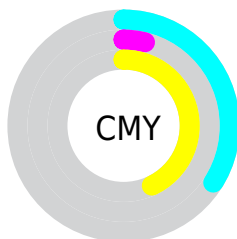
- Red (66%)
- Green (96%)
- Blue (57%)



- Red (57%)
- Yellow (96%)
- Blue (87%)



- Cyan (32%)
- Magenta (0%)
- Yellow (41%)
- Black (4%)





- Cyan (34%)
- Magenta (4%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.2151, 76.2807, 38.6543 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 54.2151, 76.2807, 38.6543 by changing the saturation by 10% instead.

 54.2151, 76.2807,
38.6543


 54.2151, 76.2807,
38.6543


393.1147,
482.3080, 355.8005

 39.0050, 56.6627,
26.1851


 95.5450, 128.1236,
74.3244

 26.9444, 40.7345,
16.7352


 122.3956,
161.1173, 98.3625

 17.6678, 28.1117,
9.8859


153.8570,
199.3384, 127.0939

 10.8100, 18.4099,
5.2188

190.2947,
243.1712, 160.9372

 6.0056, 11.2447,
2.3152

232.0739,
293.0002, 200.3110

 2.8892, 6.2316,
0.7397

279.5601,

 1.0954, 2.9864,

349.2098, 245.6338

0.0000

333.1186,
412.1842, 297.3241

0.0213, 1.1247,
0.0000

0.0000, 0.0000,
0.0000

54.2151, 76.2807,
38.6543

54.2151, 76.2807,
38.6543

48.7667, 73.6702,
29.5471

60.6690, 79.3667,
49.9555

44.2659, 71.5015,
22.4867

68.1711, 82.9405,
63.5752

40.6571, 69.7519,
17.3158

76.7684, 87.0260,
79.6345

37.8765, 68.3922,
13.8520

86.5034, 91.6427,
98.2446

■ 35.8502, 67.3892,
11.8770

■ 92.2473, 94.3946,
107.9658

■ 34.5890, 66.7558,
11.0621

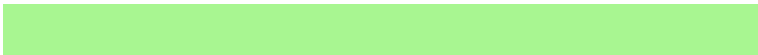
Harmonies

Analogous

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



65.1611, 76.2807, 27.2463



54.2151, 76.2807, 38.6543



48.5744, 76.2807, 64.7869

Triad

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



54.2151, 76.2807, 38.6543



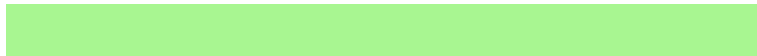
65.8058, 76.2807, 187.7686



102.9918, 76.2807, 63.1269

Complementary

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



54.2151, 76.2807, 38.6543



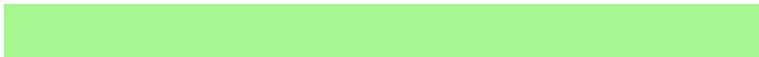
57.1948, 42.5949, 92.4000

Split Complementary

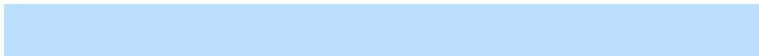
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



103.2256, 76.2807, 104.4738



54.2151, 76.2807, 38.6543



80.3756, 76.2807, 186.8581

Square

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



54.2151, 76.2807, 38.6543



54.6323, 76.2807, 154.8797



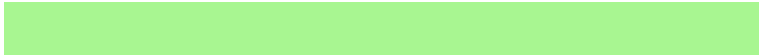
94.4993, 76.2807, 152.6986



93.8979, 76.2807, 37.7921

Rectangle

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



54.2151, 76.2807, 38.6543



48.0211, 76.2807, 91.3374



94.4993, 76.2807, 152.6986



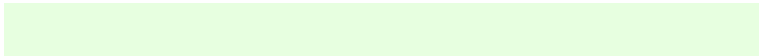
104.1464, 76.2807, 75.2923

Sweetspot

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



54.2170, 76.2840, 38.6560



82.3426, 93.9737, 84.6046



69.3566, 74.1136, 37.4391



17.3519, 19.9847, 17.5950



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.



54.2170, 76.2840, 38.6560



53.9919, 80.4531, 33.8200



52.0752, 74.9107, 50.7125



16.6352, 18.6540, 17.5214



18.5612, 35.6815, 5.9089



1.7173, 3.1804, 0.5234

Inverse Universe

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



57.1948, 42.5949, 92.4000



57.5758, 39.4562, 99.1890



60.9292, 44.9636, 72.5345



16.8231, 16.5669, 20.8536



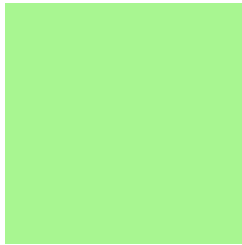
20.3393, 9.4596, 47.2919



1.8756, 0.8768, 4.1606

Previews

White Background



This preview shows how the XYZ color 54.2151, 76.2807, 38.6543 looks on a white background.

Color Contrast Check

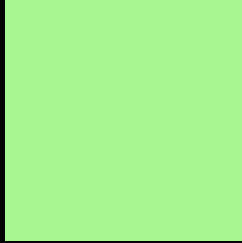
Large Text (above 18pt) WCAG AA × Fail

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 54.2151, 76.2807, 38.6543 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

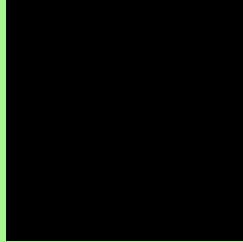
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

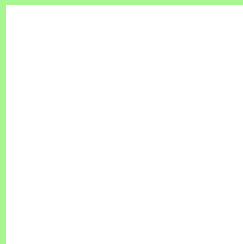
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 54.2151, 76.2807, 38.6543

Background



This preview shows how black text looks on a background with the XYZ color 54.2151, 76.2807, 38.6543.



This preview shows how white text looks on a background with the XYZ color 54.2151, 76.2807,

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

54.2151, 76.2807, 38.6543

Protanopia

69.4466, 75.2494, 34.5313

Deuteranopia

75.0150, 75.3004, 54.8367



Tritanopia

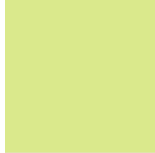
66.9593, 75.7452, 103.1866

Trichromacy



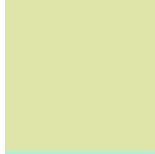
Original Color

54.2151, 76.2807, 38.6543



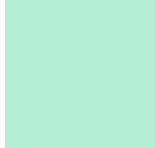
Protanomaly

62.7860, 75.0767, 35.9930



Deuteranomaly

65.6122, 74.5912, 48.4755



Tritanomaly

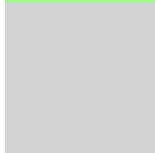
61.1752, 75.5369, 74.3066

Monochromacy



Original Color

54.2151, 76.2807, 38.6543



Achromatopsia

61.9161, 65.1406, 70.9381



Achromatomaly

58.1310, 68.5013, 57.1719

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.2151, 76.2807, 38.6543 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(168, 246, 145)` looks like.

```
.text, #text, p{  
    color:rgb(168, 246, 145)  
}
```

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(168, 246, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 246, 145) }
```

Border

The CSS property to change the border of an element to XYZ 54.2151, 76.2807, 38.6543 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(168, 246, 145) }
```


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

```
.border{ border-color:rgb(168, 246, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 246, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 246, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 246, 145);  
box-shadow:4px 4px 4px 4px rgb(168, 246,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 54.2151, 76.2807, 38.6543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 246, 145) }
```

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

```
.background{ background-color: rgb(168,  
246, 145) }
```

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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