

Converting Colors

XYZ(50.7890, 78.7982, 33.8355)

Have a look what the booklet for
XYZ(50.7890, 78.7982, 33.8355)
contains.

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Color

**XYZ(50.8412, 78.8214,
34.0072)**

Conversions

Conversions Part 1

Format	Color
Hex	8DFF83
RGB	141, 255, 131
RGB Percent	55%, 100%, 51%
CMY	0.4471, 0.0000, 0.4863
CMYK	0.45, 0.00, 0.49, 0.00
HSL	115°, 100%, 76%
HSV	115°, 49%, 100%
XYZ	50.8412, 78.8214, 34.0072
YIQ	206.7780, -28.1400, -62.7320

Conversions

Conversions Part 2

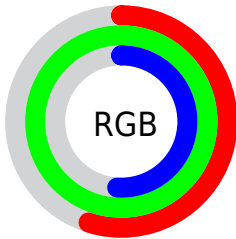
Format	Color
RYB	131, 255, 245
Decimal	9305987
CIELab	91.15, -55.99, 49.05
CIElCh	91, 74.437, 138.779
Yxy	78.8214, 0.3106, 0.4816
Android (android.graphics.Color)	4287496067 (0xFF8DFF83)
YUV	206.7780, -37.3586, -57.6873
Hunter-Lab	88.7814, -53.1484, 39.4363

Details

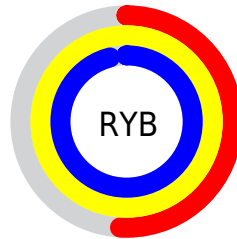
The XYZ color **50.8412, 78.8214, 34.0072** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **63.8240, 42.8666, 99.5179**, and the grayscale version is **59.4109, 62.5049, 68.0678**.

A 20% lighter version of the original color is **68.4423, 87.3445, 59.7063**, and **24.7347, 42.2319, 14.0556** is the 20% darker color. If you saturate the color by 10%, you get **45.7469, 76.3709, 25.8306**, and if you desaturate by 10%, it is **57.2052, 81.8773, 44.4654**.

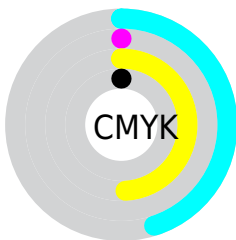
Distribution



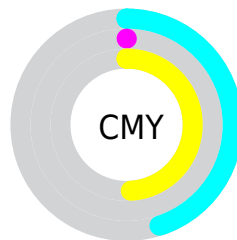
- Red (55%)
- Green (100%)
- Blue (51%)



- Red (51%)
- Yellow (100%)
- Blue (96%)



- Cyan (45%)
- Magenta (0%)
- Yellow (49%)
- Black (0%)





- Cyan (45%)
- Magenta (0%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.8412, 78.8214, 34.0072 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 50.8412, 78.8214, 34.0072 by changing the saturation by 10% instead.


 50.8412, 78.8214,
34.0072


 50.8412, 78.8214,
34.0072


380.3443,
490.9519, 334.9343


 36.3028, 58.7490,
22.6217


 90.6044, 131.7074,
67.0789

 24.8393, 42.4111,
14.1118


 116.5599,
165.2898, 89.6022

 16.0855, 29.4233,
8.0588


 147.0517,
204.1442, 116.6752

 9.6759, 19.4013,
4.0443

182.4453,
248.6552, 148.7164

 5.2452, 11.9606,
1.6497

223.1060,
299.2071, 186.1444

 2.4281, 6.7168,
0.3259

269.3992,

 0.8591, 3.2857,

356.1842, 229.3776

0.0000

321.6902,
419.9710, 278.8348

0.0000, 1.2826,
0.0000

0.0000, 0.1277,
0.0000

50.8412, 78.8214,
34.0072

50.8412, 78.8214,
34.0072

45.7469, 76.3709,
25.8306

57.2052, 81.8773,
44.4654

41.8357, 74.4849,
19.7621

64.9155, 85.5748,
57.3540

39.0120, 73.1182,
15.6094

74.0436, 89.9478,
72.8139

37.1645, 72.2184,
13.1434

84.6558, 95.0276,
90.9737

■ 36.1507, 71.7192, 95.0500, 100.0000,
12.0385 108.9000

■ 36.0600, 71.6747,
11.9340

Harmonies

Analogous

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



63.8511, 78.8214, 20.3094



50.8412, 78.8214, 34.0072



44.7082, 78.8214, 67.1781

Triad

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



50.8412, 78.8214, 34.0072



68.0876, 78.8214, 233.0907



114.7104, 78.8214, 56.5719

Complementary

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



50.8412, 78.8214, 34.0072



63.8240, 42.8666, 99.5179

Split Complementary

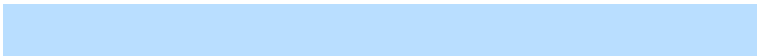
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



116.3600, 78.8214, 107.6335



50.8412, 78.8214, 34.0072



87.1936, 78.8214, 226.2685

Square

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



50.8412, 78.8214, 34.0072



53.4935, 78.8214, 189.8890



105.5992, 78.8214, 173.9385



101.4112, 78.8214, 29.0527

Rectangle

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



50.8412, 78.8214, 34.0072



44.5185, 78.8214, 102.6500



105.5992, 78.8214, 173.9385



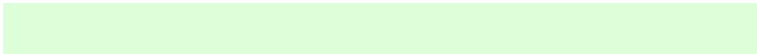
116.7198, 78.8214, 70.9435

Sweetspot

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



50.8416, 78.8215, 34.0084



77.7168, 91.7065, 79.0803



77.8887, 88.0023, 34.3549



16.1724, 19.4077, 16.1373



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

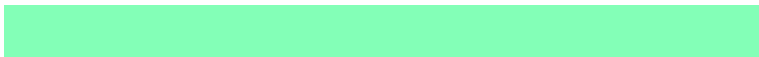
The Same Dimension uses a secret algorithm to generate beautiful new colors.



50.8416, 78.8215, 34.0084



46.0302, 76.5073, 26.2789



53.6334, 79.7507, 57.1858



17.9072, 20.2381, 19.1069



18.8893, 37.4759, 6.2380



1.8837, 3.6718, 0.6095

Inverse Universe

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



63.8240, 42.8666, 99.5179



60.3065, 36.8244, 98.5371



60.1762, 41.8213, 61.6100



18.6397, 18.2215, 22.7846



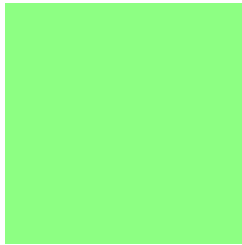
27.2978, 12.9830, 50.5018



2.6989, 1.2853, 4.9191

Previews

White Background



This preview shows how the XYZ color 50.8412, 78.8214, 34.0072 looks on a white background.

Color Contrast Check

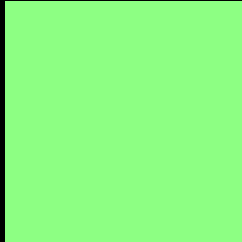
Large Text (above 18pt) WCAG AA × Fail

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 50.8412, 78.8214, 34.0072 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

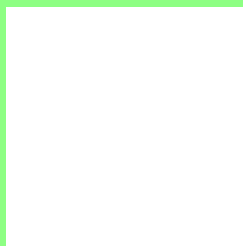
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.8412, 78.8214, 34.0072

Background



This preview shows how black text looks on a background with the XYZ color 50.8412, 78.8214, 34.0072.



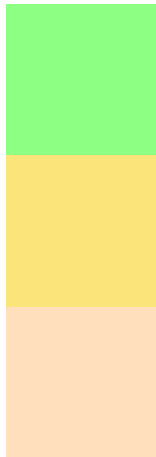
This preview shows how white text looks on a background with the XYZ color 50.8412, 78.8214,

34.0072.

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

50.8412, 78.8214, 34.0072

Protanopia

71.0399, 77.4012, 29.6081

Deuteranopia

76.7048, 77.6662, 58.5252



Tritanopia

67.5069, 78.5367, 106.2089

Trichromacy



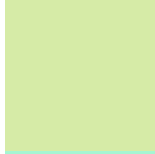
Original Color

50.8412, 78.8214, 34.0072



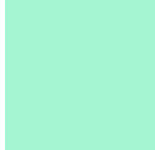
Protanomaly

61.1402, 76.4786, 30.9415



Deuteranomaly

64.4149, 76.5028, 47.9307



Tritanomaly

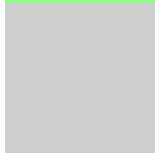
59.8023, 77.9573, 72.8681

Monochromacy



Original Color

50.8412, 78.8214, 34.0072



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

54.3208, 66.6333, 52.6463

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8412, 78.8214, 34.0072 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(141, 255, 131)` looks like.

```
.text, #text, p{  
    color:rgb(141, 255, 131)  
}
```

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(141, 255, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 255, 131) }
```

Border

The CSS property to change the border of an element to XYZ 50.8412, 78.8214, 34.0072 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(141, 255, 131) }
```


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

```
.border{ border-color:rgb(141, 255, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 255, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(141, 255, 131); -webkit-box-shadow:4px 4px 4px 4px rgb(141, 255, 131); box-shadow:4px 4px 4px 4px rgb(141, 255, 131) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8412, 78.8214, 34.0072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 255, 131) }
```

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

```
.background{ background-color: rgb(141,  
255, 131) }
```

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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