

Converting Colors

XYZ(50.1260, 78.4401, 34.5442)

Have a look what the booklet for
XYZ(50.1260, 78.4401, 34.5442)
contains.

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Color

**XYZ(50.1470, 78.4477,
34.6892)**

Conversions

Conversions Part 1

Format	Color
Hex	88FF85
RGB	136, 255, 133
RGB Percent	53%, 100%, 52%
CMY	0.4667, 0.0000, 0.4784
CMYK	0.47, 0.00, 0.48, 0.00
HSL	119°, 100%, 76%
HSV	119°, 48%, 100%
XYZ	50.1470, 78.4477, 34.6892
YIQ	205.5110, -31.7620, -63.1700

Conversions

Conversions Part 2

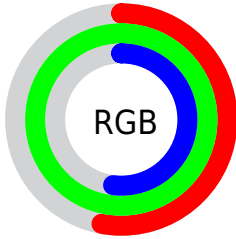
Format	Color
RYB	133, 255, 252
Decimal	8978309
CIELab	90.98, -57.11, 47.86
CIELCh	91, 74.515, 140.040
Yxy	78.4477, 0.3071, 0.4804
Android (android.graphics.Color)	4287168389 (0xFF88FF85)
YUV	205.5110, -35.7479, -60.9611
Hunter-Lab	88.5707, -53.9355, 38.7782

Details

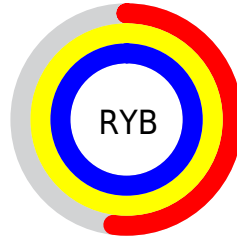
The XYZ color **50.1470, 78.4477, 34.6892** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **66.5837, 44.6919, 99.7248**, and the grayscale version is **58.5892, 61.6403, 67.1263**.

A 20% lighter version of the original color is **67.3428, 86.7529, 60.7726**, and **24.3159, 42.0075, 14.4161** is the 20% darker color. If you saturate the color by 10%, you get **45.0120, 75.9800, 26.3424**, and if you desaturate by 10%, it is **56.6476, 81.5700, 45.3343**.

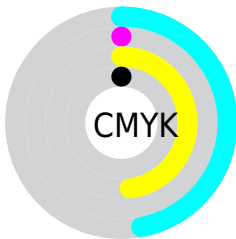
Distribution



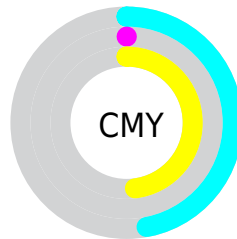
- Red (53%)
- Green (100%)
- Blue (52%)



- Red (52%)
- Yellow (100%)
- Blue (99%)



- Cyan (47%)
- Magenta (0%)
- Yellow (48%)
- Black (0%)





- Cyan (47%)
- Magenta (0%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.1470, 78.4477, 34.6892 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 50.1470, 78.4477, 34.6892 by changing the saturation by 10% instead.


 50.1470, 78.4477,
34.6892


 50.1470, 78.4477,
34.6892


377.6830,
489.6859, 338.0568


 35.7485, 58.4418,
23.1419


 89.5832, 131.1810,
68.1501

 24.4092, 42.1640,
14.4921


 115.3515,
164.6773, 90.9008

 15.7638, 29.2297,
8.3210

 145.6405,
203.4392, 118.2231

 9.4470, 19.2546,
4.2104

180.8156,
247.8510, 150.5355

 5.0933, 11.8544,
1.7414

221.2420,
298.2972, 188.2565

 2.3374, 6.6446,
0.3889

267.2851,

 0.8137, 3.2409,

355.1621, 231.8047

0.0000

319.3104,
418.8303, 281.5986

0.0000, 1.2587,
0.0000

0.0000, 0.1089,
0.0000

50.1470, 78.4477,
34.6892

50.1470, 78.4477,
34.6892

45.0120, 75.9800,
26.3424

56.6476, 81.5700,
45.3343

41.1443, 74.1198,
20.1213

64.6006, 85.3884,
58.4260

38.4342, 72.8147,
15.8352

74.0866, 89.9414,
74.1045

36.7528, 72.0032,
13.2575

85.1804, 95.2648,
92.4983

■ 35.9367, 71.6076, 95.0500, 100.0000,
12.0856 108.9000

■ 35.8384, 71.5604,
11.9237

Harmonies

Analogous

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



62.8495, 78.4477, 20.4049



50.1470, 78.4477, 34.6892



44.3270, 78.4477, 68.7329

Triad

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



50.1470, 78.4477, 34.6892



68.4833, 78.4477, 233.3209



113.9349, 78.4477, 54.6278

Complementary

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



50.1470, 78.4477, 34.6892



66.5837, 44.6919, 99.7248

Split Complementary

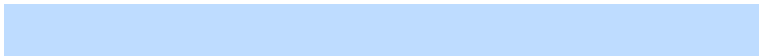
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



116.1292, 78.4477, 104.6018



50.1470, 78.4477, 34.6892



87.6465, 78.4477, 224.2433

Square

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



50.1470, 78.4477, 34.6892



53.6734, 78.4477, 191.8653



105.8402, 78.4477, 170.6430



100.2695, 78.4477, 28.1039

Rectangle

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



50.1470, 78.4477, 34.6892



44.3332, 78.4477, 104.7629



105.8402, 78.4477, 170.6430



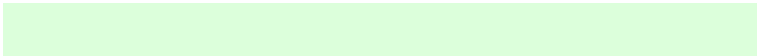
116.1176, 78.4477, 68.6113

Sweetspot

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



50.1474, 78.4479, 34.6904



78.1546, 91.8936, 80.8431



79.9503, 91.9063, 35.7174



16.2330, 19.4313, 16.4831



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.



50.1474, 78.4479, 34.6904



45.3940, 76.1636, 26.9607



54.7206, 80.2217, 61.2783



17.8128, 20.1894, 19.1024



18.7442, 37.4011, 6.2312



1.8389, 3.6488, 0.6074

Inverse Universe

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



66.5837, 44.6919, 99.7248



63.5265, 38.8854, 98.7652



59.8289, 42.1163, 58.4433



18.7459, 18.2763, 22.7896



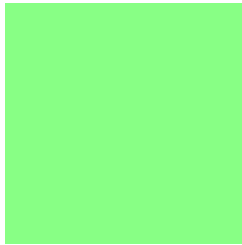
29.8153, 14.2808, 50.6196



2.9165, 1.3974, 4.9293

Previews

White Background



This preview shows how the XYZ color 50.1470, 78.4477, 34.6892 looks on a white background.

Color Contrast Check

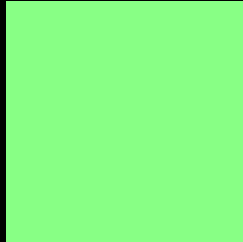
Large Text (above 18pt) WCAG AA × Fail

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 50.1470, 78.4477, 34.6892 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

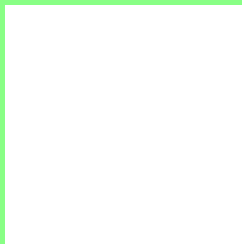
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.1470, 78.4477, 34.6892

Background



This preview shows how black text looks on a background with the XYZ color 50.1470, 78.4477, 34.6892.

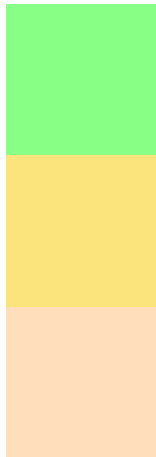


This preview shows how white text looks on a background with the XYZ color 50.1470, 78.4477,

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

50.1470, 78.4477, 34.6892

Protanopia

71.1022, 77.4261, 29.9361

Deuteranopia

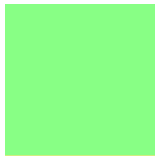
76.3309, 77.0904, 57.8706



Tritanopia

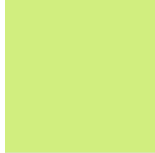
66.5957, 78.0670, 106.1662

Trichromacy



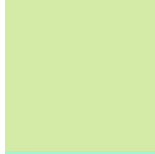
Original Color

50.1470, 78.4477, 34.6892



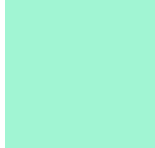
Protanomaly

60.6998, 76.2367, 31.5946



Deuteranomaly

63.5492, 75.6327, 47.8084



Tritanomaly

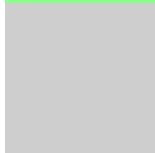
59.1082, 77.5850, 73.4881

Monochromacy



Original Color

50.1470, 78.4477, 34.6892



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

53.8484, 66.3897, 52.6242

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1470, 78.4477, 34.6892 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(136, 255, 133)` looks like.

```
.text, #text, p{  
    color:rgb(136, 255, 133)  
}
```

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(136, 255, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 255, 133) }
```

Border

The CSS property to change the border of an element to XYZ 50.1470, 78.4477, 34.6892 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(136, 255, 133) }
```


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

```
.border{ border-color:rgb(136, 255, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 255, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 255, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 255, 133);  
box-shadow:4px 4px 4px 4px rgb(136, 255,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1470, 78.4477, 34.6892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 255, 133) }
```

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

```
.background{ background-color: rgb(136,  
255, 133) }
```

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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