

Converting Colors

XYZ(50.2414, 78.5043, 34.3346)

Have a look what the booklet for
XYZ(50.2414, 78.5043, 34.3346)
contains.

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Color

**XYZ(50.2414, 78.5043,
34.3346)**

Conversions

Conversions Part 1

Format	Color
Hex	89FF84
RGB	137, 255, 132
RGB Percent	54%, 100%, 52%
CMY	0.4627, 0.0000, 0.4823
CMYK	0.46, 0.00, 0.48, 0.00
HSL	118°, 100%, 76%
HSV	118°, 48%, 100%
XYZ	50.2414, 78.5043, 34.3346
YIQ	205.6960, -30.8450, -63.2690

Conversions

Conversions Part 2

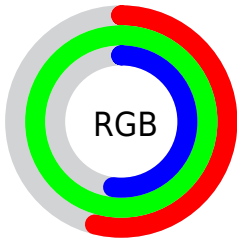
Format	Color
RYB	132, 255, 250
Decimal	9043844
CIELab	91.01, -56.97, 48.37
CIELCh	91, 74.736, 139.669
Yxy	78.5043, 0.3081, 0.4814
Android (android.graphics.Color)	4287233924 (0xFF89FF84)
YUV	205.6960, -36.3321, -60.2464
Hunter-Lab	88.6027, -53.8377, 39.0463

Details

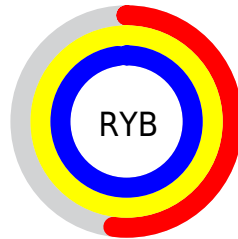
The XYZ color **50.2414, 78.5043, 34.3346** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **65.7268, 44.0478, 99.6456**, and the grayscale version is **58.7107, 61.7682, 67.2656**.

A 20% lighter version of the original color is **67.4946, 86.8436, 60.2189**, and **24.3580, 42.0335, 14.2266** is the 20% darker color. If you saturate the color by 10%, you get **45.1384, 76.0512, 26.0736**, and if you desaturate by 10%, it is **56.6807, 81.5970, 44.8864**.

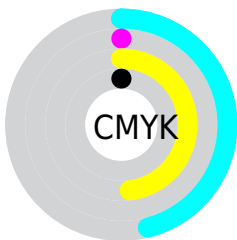
Distribution



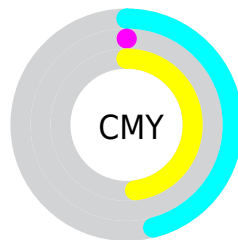
- Red (54%)
- Green (100%)
- Blue (52%)



- Red (52%)
- Yellow (100%)
- Blue (98%)



- Cyan (46%)
- Magenta (0%)
- Yellow (48%)
- Black (0%)



- Cyan (46%)
- Magenta (0%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.2414, 78.5043, 34.3346 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 50.2414, 78.5043, 34.3346 by changing the saturation by 10% instead.


 50.2414, 78.5043,
34.3346


 50.2414, 78.5043,
34.3346


378.0456,
489.8778, 336.4360


 35.8238, 58.4883,
22.8713


 89.7221, 131.2608,
67.5935

 24.4676, 42.2014,
14.2941


 115.5160,
164.7701, 90.2262

 15.8075, 29.2590,
8.1844

 145.8327,
203.5460, 117.4191

 9.4780, 19.2768,
4.1237

181.0375,
247.9728, 149.5908

 5.1139, 11.8705,
1.6935

221.4959,
298.4350, 187.1598

 2.3497, 6.6555,
0.3562

267.5731,

 0.8199, 3.2476,

355.3170, 230.5447

0.0000

319.6346,
419.0031, 280.1639

0.0000, 1.2623,
0.0000

0.0000, 0.1118,
0.0000

50.2414, 78.5043,
34.3346

50.2414, 78.5043,
34.3346

45.1384, 76.0512,
26.0736

56.6807, 81.5970,
44.8864

41.2768, 74.1924,
19.9303

64.5400, 85.3692,
57.8778

38.5508, 72.8776,
15.7130

73.8975, 89.8582,
73.4492

36.8366, 72.0479,
13.1937

84.8253, 95.0984,
91.7294

■ 35.9765, 71.6288, 95.0500, 100.0000,
12.0589 108.9000

■ 35.8897, 71.5869,
11.9261

Harmonies

Analogous

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



63.0618, 78.5043, 20.2303



50.2414, 78.5043, 34.3346



44.3197, 78.5043, 68.1699

Triad

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



50.2414, 78.5043, 34.3346



68.2986, 78.5043, 233.8008



114.2456, 78.5043, 55.0657

Complementary

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



50.2414, 78.5043, 34.3346



65.7268, 44.0478, 99.6456

Split Complementary

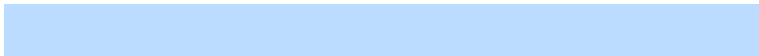
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



116.2878, 78.5043, 105.4923



50.2414, 78.5043, 34.3346



87.5017, 78.5043, 225.3449

Square

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



50.2414, 78.5043, 34.3346



53.5176, 78.5043, 191.6315



105.8209, 78.5043, 171.8706



100.6377, 78.5043, 28.2278

Rectangle

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



50.2414, 78.5043, 34.3346



44.2683, 78.5043, 104.1377



105.8209, 78.5043, 171.8706



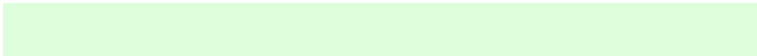
116.3857, 78.5043, 69.1918

Sweetspot

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



50.2418, 78.5045, 34.3358



78.3286, 91.9833, 80.8513



79.2345, 90.5848, 35.1395



16.2746, 19.4528, 16.4850



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

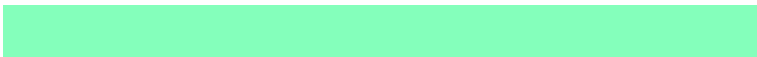
The Same Dimension uses a secret algorithm to generate beautiful new colors.



50.2418, 78.5045, 34.3358



45.2433, 76.1016, 26.2420



54.2836, 80.0287, 59.7975



17.8398, 20.2033, 19.1037



18.7826, 37.4209, 6.2330



1.8518, 3.6554, 0.6080

Inverse Universe

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



65.7268, 44.0478, 99.6456



62.3816, 37.8942, 98.6342



59.8763, 41.9173, 59.3653



18.7154, 18.2605, 22.7882



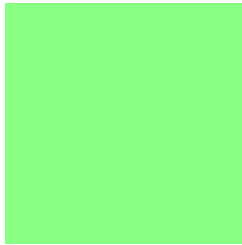
29.0741, 13.8987, 50.5849



2.8526, 1.3645, 4.9263

Previews

White Background



This preview shows how the XYZ color 50.2414, 78.5043, 34.3346 looks on a white background.

Color Contrast Check

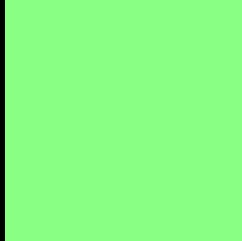
Large Text (above 18pt) WCAG AA × Fail

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 50.2414, 78.5043, 34.3346 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

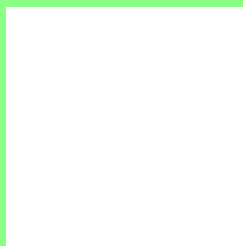
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.2414, 78.5043, 34.3346

Background



This preview shows how black text looks on a background with the XYZ color 50.2414, 78.5043, 34.3346.

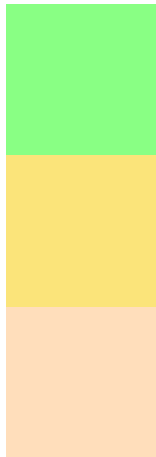


This preview shows how white text looks on a background with the XYZ color 50.2414, 78.5043,

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

50.2414, 78.5043, 34.3346

Protanopia

71.0399, 77.4012, 29.6081

Deuteranopia

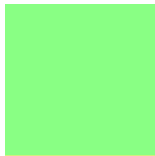
76.3309, 77.0904, 57.8706



Tritanopia

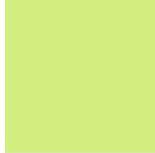
66.8210, 78.1831, 106.1768

Trichromacy



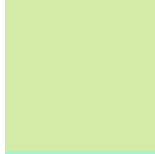
Original Color

50.2414, 78.5043, 34.3346



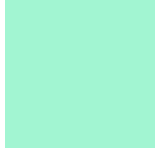
Protanomaly

60.9188, 76.3571, 31.2663



Deuteranomaly

63.5492, 75.6327, 47.8084



Tritanomaly

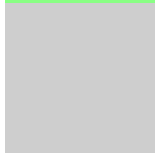
59.1856, 77.6393, 72.8393

Monochromacy



Original Color

50.2414, 78.5043, 34.3346



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 50.2414, 78.5043, 34.3346 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(137, 255, 132)` looks like.

```
.text, #text, p{  
    color:rgb(137, 255, 132)  
}
```

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(137, 255, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 255, 132) }
```

Border

The CSS property to change the border of an element to XYZ 50.2414, 78.5043, 34.3346 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(137, 255, 132) }
```


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

```
.border{ border-color:rgb(137, 255, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 255, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 255, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 255, 132);  
box-shadow:4px 4px 4px 4px rgb(137, 255,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2414, 78.5043, 34.3346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 255, 132) }
```

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

```
.background{ background-color: rgb(137,  
255, 132) }
```

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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