

Converting Colors

XYZ(50.2373, 78.4856, 35.0846)

Have a look what the booklet for
XYZ(50.2373, 78.4856, 35.0846)
contains.

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Color

**XYZ(50.2164, 78.4755,
35.0549)**

Conversions

Conversions Part 1

Format	Color
Hex	88FF86
RGB	136, 255, 134
RGB Percent	53%, 100%, 53%
CMY	0.4667, 0.0000, 0.4745
CMYK	0.47, 0.00, 0.47, 0.00
HSL	119°, 100%, 76%
HSV	119°, 47%, 100%
XYZ	50.2164, 78.4755, 35.0549
YIQ	205.6250, -32.0830, -62.8590

Conversions

Conversions Part 2

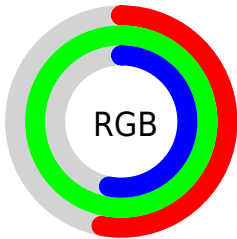
Format	Color
RYB	134, 255, 253
Decimal	8978310
CIELab	91.00, -56.98, 47.40
CIElCh	91, 74.121, 140.245
Yxy	78.4755, 0.3067, 0.4792
Android (android.graphics.Color)	4287168390 (0xFF88FF86)
YUV	205.6250, -35.3111, -61.0611
Hunter-Lab	88.5864, -53.8411, 38.5486

Details

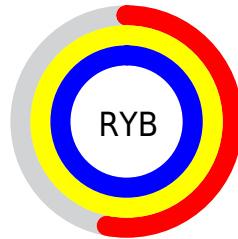
The XYZ color **50.2164, 78.4755, 35.0549** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **67.0846, 45.1543, 99.7876**, and the grayscale version is **58.6594, 61.7143, 67.2069**.

A 20% lighter version of the original color is **67.4510, 86.7962, 61.3424**, and **24.3531, 42.0224, 14.6122** is the 20% darker color. If you saturate the color by 10%, you get **45.0393, 75.9879, 26.6215**, and if you desaturate by 10%, it is **56.7758, 81.6261, 45.7934**.

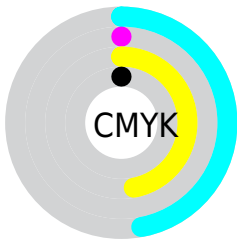
Distribution



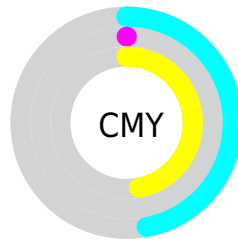
- Red (53%)
- Green (100%)
- Blue (53%)



- Red (53%)
- Yellow (100%)
- Blue (99%)



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.2164, 78.4755, 35.0549 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 50.2164, 78.4755, 35.0549 by changing the saturation by 10% instead.


 50.2164, 78.4755,
35.0549


 50.2164, 78.4755,
35.0549


377.9496,
489.7802, 339.7222


 35.8039, 58.4647,
23.4213


 89.6853, 131.2202,
68.7233

 24.4522, 42.1823,
14.6967


 115.4724,
164.7229, 91.5952

 15.7959, 29.2441,
8.4625


 145.7818,
203.4916, 119.0503

 9.4698, 19.2655,
4.3003

180.9787,
247.9108, 151.5071

 5.1084, 11.8623,
1.7915

221.4286,
298.3649, 189.3842

 2.3464, 6.6500,
0.4223

267.4968,

 0.8183, 3.2442,

355.2382, 233.1000

0.0000

319.5487,
418.9152, 283.0732

0.0000, 1.2605,
0.0000

0.0000, 0.1103,
0.0000

50.2164, 78.4755,
35.0549

50.2164, 78.4755,
35.0549

45.0393, 75.9879,
26.6215

56.7758, 81.6261,
45.7934

41.1447, 74.1155,
20.3215

64.8056, 85.4819,
58.9849

38.4211, 72.8051,
15.9649

74.3879, 90.0823,
74.7691

36.7373, 71.9937,
13.3267

85.5982, 95.4635,
93.2743

■ 35.9285, 71.6027, 95.0500, 100.0000,
12.1138 108.9000

■ 35.8127, 71.5472,
11.9225

Harmonies

Analogous

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



62.8237, 78.4755, 20.6644



50.2164, 78.4755, 35.0549



44.4633, 78.4755, 69.1559

Triad

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



50.2164, 78.4755, 35.0549



68.6594, 78.4755, 232.4515



113.6732, 78.4755, 54.5327

Complementary

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



50.2164, 78.4755, 35.0549



67.0846, 45.1543, 99.7876

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.



115.9416, 78.4755, 104.1133



50.2164, 78.4755, 35.0549



87.7376, 78.4755, 223.0834

Square

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



50.2164, 78.4755, 35.0549



53.8728, 78.4755, 191.6032



105.7928, 78.4755, 169.6867



100.0320, 78.4755, 28.2057

Rectangle

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



50.2164, 78.4755, 35.0549



44.5011, 78.4755, 105.1043



105.7928, 78.4755, 169.6867



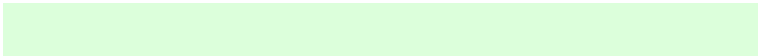
115.8701, 78.4755, 68.4066

Sweetspot

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



50.2167, 78.4756, 35.0561



78.0674, 91.8487, 80.8391



80.6634, 93.2214, 36.2976



16.2121, 19.4206, 16.4821



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

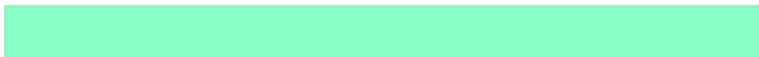
The Same Dimension uses a secret algorithm to generate beautiful new colors.



50.2167, 78.4756, 35.0561



45.2438, 76.0861, 26.9536



55.1603, 80.4159, 62.7660



17.7993, 20.1824, 19.1018



18.7249, 37.3911, 6.2303



1.8325, 3.6454, 0.6071

Inverse Universe

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



67.0846, 45.1543, 99.7876



63.9511, 39.1043, 98.7850



59.7885, 42.3203, 57.5518



18.7613, 18.2842, 22.7903



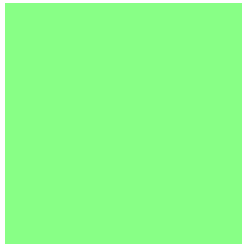
30.1935, 14.4758, 50.6373



2.9490, 1.4142, 4.9308

Previews

White Background



This preview shows how the XYZ color 50.2164, 78.4755, 35.0549 looks on a white background.

Color Contrast Check

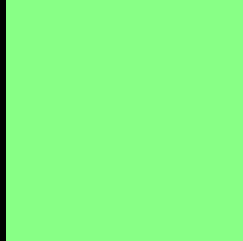
Large Text (above 18pt) WCAG AA × Fail

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 50.2164, 78.4755, 35.0549 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 50.2164, 78.4755, 35.0549

Background



This preview shows how black text looks on a background with the XYZ color 50.2164, 78.4755, 35.0549.



This preview shows how white text looks on a background with the XYZ color 50.2164, 78.4755,

35.0549.

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

50.2164, 78.4755, 35.0549

Protanopia

71.1652, 77.4513, 30.2676

Deuteranopia

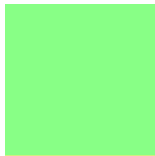
76.3309, 77.0904, 57.8706



Tritanopia

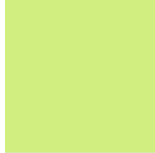
66.5957, 78.0670, 106.1662

Trichromacy



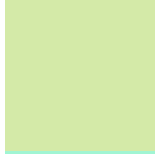
Original Color

50.2164, 78.4755, 35.0549



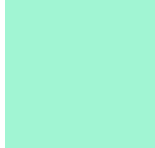
Protanomaly

60.7653, 76.2629, 31.9396



Deuteranomaly

63.6421, 75.6698, 48.2972



Tritanomaly

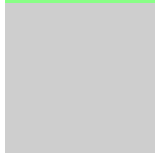
59.1082, 77.5850, 73.4881

Monochromacy



Original Color

50.2164, 78.4755, 35.0549



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

53.9499, 66.4304, 53.1589

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2164, 78.4755, 35.0549 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, 134)` looks like.

```
.text, #text, p{  
    color:rgb(136, 255, 134)  
}
```

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, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 255, 134) }
```

Border

The CSS property to change the border of an element to XYZ 50.2164, 78.4755, 35.0549 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, 134) }
```


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

```
.border{ border-color:rgb(136, 255, 134) }
```

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, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 255, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 255, 134);  
box-shadow:4px 4px 4px 4px rgb(136, 255,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2164, 78.4755, 35.0549 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, 134) }
```

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

```
.background{ background-color: rgb(136,  
255, 134) }
```

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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