

Converting Colors

XYZ(67.2845, 111.8548,
39.9510)

Have a look what the booklet for
XYZ(67.2845, 111.8548, 39.9510)
contains.

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Color

**XYZ(50.7401, 78.7614,
34.3580)**

Conversions

Conversions Part 1

Format	Color
Hex	8CFF84
RGB	140, 255, 132
RGB Percent	55%, 100%, 52%
CMY	0.4510, 0.0000, 0.4823
CMYK	0.45, 0.00, 0.48, 0.00
HSL	116°, 100%, 76%
HSV	116°, 48%, 100%
XYZ	50.7401, 78.7614, 34.3580
YIQ	206.5930, -29.0570, -62.6330

Conversions

Conversions Part 2

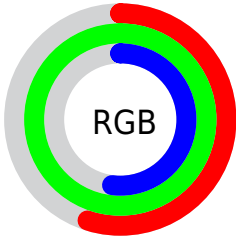
Format	Color
RYB	132, 255, 247
Decimal	9240452
CIELab	91.13, -56.14, 48.54
CIELCh	91, 74.216, 139.154
Yxy	78.7614, 0.3097, 0.4807
Android (android.graphics.Color)	4287430532 (0xFF8CFF84)
YUV	206.5930, -36.7743, -58.4021
Hunter-Lab	88.7476, -53.2537, 39.1696

Details

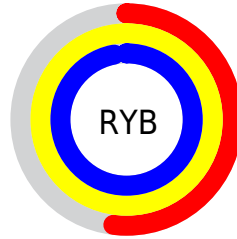
The XYZ color **50.7401, 78.7614, 34.3580** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **64.6604, 43.4981, 99.5957**, and the grayscale version is **59.2885, 62.3762, 67.9276**.

A 20% lighter version of the original color is **68.2828, 87.2500, 60.2558**, and **24.6858, 42.2025, 14.2420** is the 20% darker color. If you saturate the color by 10%, you get **45.6114, 76.2950, 26.0958**, and if you desaturate by 10%, it is **57.1663, 81.8474, 44.9092**.

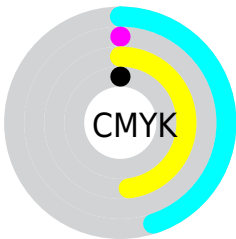
Distribution



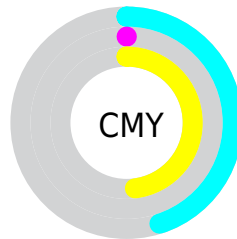
- Red (55%)
- Green (100%)
- Blue (52%)



- Red (52%)
- Yellow (100%)
- Blue (97%)



- Cyan (45%)
- Magenta (0%)
- Yellow (48%)
- Black (0%)





- Cyan (45%)
- Magenta (0%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.7401, 78.7614, 34.3580 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 50.7401, 78.7614, 34.3580 by changing the saturation by 10% instead.


 50.7401, 78.7614,
34.3580


 50.7401, 78.7614,
34.3580


379.9575,
490.7488, 336.5432


 36.2220, 58.6997,
22.8892


 90.4558, 131.6229,
67.6302

 24.7766, 42.3714,
14.3072


 116.3840,
165.1915, 90.2708

 16.0385, 29.3922,
8.1934

 146.8464,
204.0311, 117.4722

 9.6425, 19.3777,
4.1294

182.2083,
248.5261, 149.6532

 5.2230, 11.9435,
1.6966

222.8350,
299.0610, 187.2323

 2.4148, 6.7052,
0.3584

269.0918,

 0.8525, 3.2784,

356.0202, 230.6279

0.0000

321.3442,
419.7880, 280.2587

0.0000, 1.2788,
0.0000

0.0000, 0.1247,
0.0000

50.7401, 78.7614,
34.3580

50.7401, 78.7614,
34.3580

45.6114, 76.2950,
26.0958

57.1663, 81.8474,
44.9092

41.6907, 74.4058,
19.9497

64.9691, 85.5904,
57.8980

38.8789, 73.0468,
15.7283

74.2224, 90.0257,
73.4645

37.0605, 72.1634,
13.2042

84.9946, 95.1857,
91.7375

■ 36.0895, 71.6870, 95.0500, 100.0000,
12.0642 108.9000

■ 35.9837, 71.6353,
11.9305

Harmonies

Analogous

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



63.6306, 78.7614, 20.4807



50.7401, 78.7614, 34.3580



44.7107, 78.7614, 67.7388

Triad

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



50.7401, 78.7614, 34.3580



68.2714, 78.7614, 232.6265



114.3974, 78.7614, 56.1145

Complementary

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



50.7401, 78.7614, 34.3580



64.6604, 43.4981, 99.5957

Split Complementary

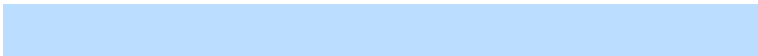
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



116.2024, 78.7614, 106.7184



50.7401, 78.7614, 34.3580



87.3393, 78.7614, 225.1686

Square

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



50.7401, 78.7614, 34.3580



53.6470, 78.7614, 190.1378



105.6205, 78.7614, 172.6944



101.0370, 78.7614, 28.9183

Rectangle

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



50.7401, 78.7614, 34.3580



44.5795, 78.7614, 103.2772



105.6205, 78.7614, 172.6944



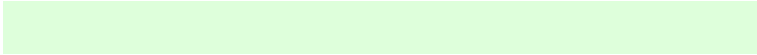
116.4508, 78.7614, 70.3409

Sweetspot

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



50.7405, 78.7616, 34.3592



78.5941, 92.1202, 80.8637



78.6048, 89.3254, 34.9296



16.3382, 19.4855, 16.4880



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

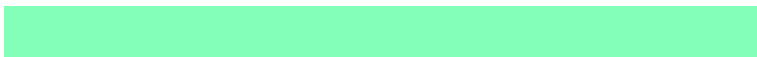
The Same Dimension uses a secret algorithm to generate beautiful new colors.



50.7405, 78.7616, 34.3592



45.7172, 76.3460, 26.2642



54.0651, 79.9414, 58.6469



17.8809, 20.2245, 19.1056



18.8432, 37.4521, 6.2358



1.8712, 3.6654, 0.6089

Inverse Universe

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



64.6604, 43.4981, 99.5957



61.1082, 37.2377, 98.5746



60.1171, 42.0136, 60.6329



18.6692, 18.2367, 22.7860



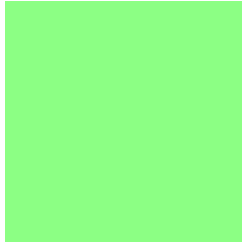
27.9791, 13.3342, 50.5337



2.7580, 1.3157, 4.9219

Previews

White Background



This preview shows how the XYZ color 50.7401, 78.7614, 34.3580 looks on a white background.

Color Contrast Check

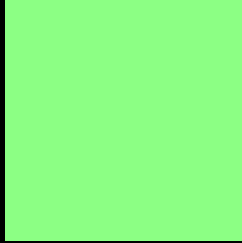
Large Text (above 18pt) WCAG AA × Fail

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 50.7401, 78.7614, 34.3580 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

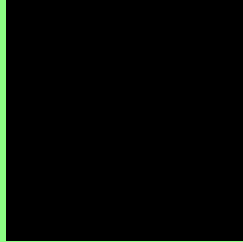
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

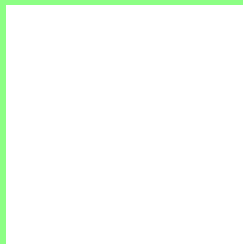
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.7401, 78.7614, 34.3580

Background



This preview shows how black text looks on a background with the XYZ color 50.7401, 78.7614, 34.3580.



This preview shows how white text looks on a background with the XYZ color 50.7401, 78.7614,

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

50.7401, 78.7614, 34.3580

Protanopia

71.1022, 77.4261, 29.9361

Deuteranopia

76.7048, 77.6662, 58.5252



Tritanopia

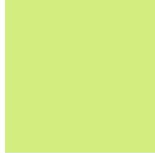
67.2766, 78.4180, 106.1981

Trichromacy



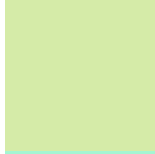
Original Color

50.7401, 78.7614, 34.3580



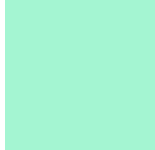
Protanomaly

61.2044, 76.5043, 31.2797



Deuteranomaly

64.2168, 76.3899, 48.4059



Tritanomaly

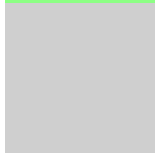
59.5951, 77.8505, 72.8584

Monochromacy



Original Color

50.7401, 78.7614, 34.3580



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

54.4223, 66.6739, 53.1810

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.7401, 78.7614, 34.3580 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(140, 255, 132)` looks like.

```
.text, #text, p{  
    color:rgb(140, 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(140, 255, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 255, 132) }
```

Border

The CSS property to change the border of an element to XYZ 50.7401, 78.7614, 34.3580 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(140, 255, 132) }
```


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

```
.border{ border-color:rgb(140, 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(140, 255, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(140, 255, 132); -webkit-box-shadow:4px 4px 4px 4px rgb(140, 255, 132); box-shadow:4px 4px 4px 4px rgb(140, 255, 132) }
```

Background

The CSS property to change the background color of an element to XYZ 50.7401, 78.7614, 34.3580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 255, 132) }
```

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

```
.background{ background-color: rgb(140,  
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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