

Converting Colors

XYZ(49.6019, 78.2336, 31.6414)

Have a look what the booklet for
XYZ(49.6019, 78.2336, 31.6414)
contains.

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Color

**XYZ(49.5514, 78.2095,
31.5531)**

Conversions

Conversions Part 1

Format	Color
Hex	88FF7C
RGB	136, 255, 124
RGB Percent	53%, 100%, 49%
CMY	0.4667, 0.0000, 0.5137
CMYK	0.47, 0.00, 0.51, 0.00
HSL	115°, 100%, 74%
HSV	115°, 51%, 100%
XYZ	49.5514, 78.2095, 31.5531
YIQ	204.4850, -28.8730, -65.9690

Conversions

Conversions Part 2

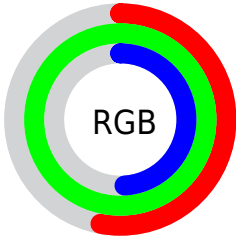
Format	Color
RYB	124, 255, 243
Decimal	8978300
CIELab	90.88, -58.25, 51.92
CIElCh	91, 78.032, 138.291
Yxy	78.2095, 0.3110, 0.4909
Android (android.graphics.Color)	4287168380 (0xFF88FF7C)
YUV	204.4850, -39.6791, -60.0613
Hunter-Lab	88.4361, -54.7484, 40.7512

Details

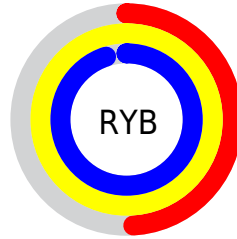
The XYZ color **49.5514, 78.2095, 31.5531** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **62.2214, 40.6915, 99.1826**, and the grayscale version is **57.9580, 60.9763, 66.4032**.

A 20% lighter version of the original color is **66.4024, 86.3768, 55.8204**, and **24.0052, 41.8833, 12.7803** is the 20% darker color. If you saturate the color by 10%, you get **44.7774, 75.9112, 23.9727**, and if you desaturate by 10%, it is **55.5559, 81.0939, 41.3696**.

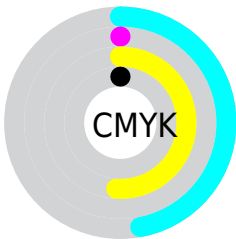
Distribution



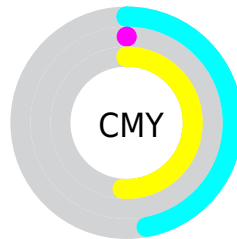
- Red (53%)
- Green (100%)
- Blue (49%)



- Red (49%)
- Yellow (100%)
- Blue (95%)



- Cyan (47%)
- Magenta (0%)
- Yellow (51%)
- Black (0%)





- Cyan (47%)
- Magenta (0%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5514, 78.2095, 31.5531 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 49.5514, 78.2095, 31.5531 by changing the saturation by 10% instead.


 49.5514, 78.2095,
31.5531


 49.5514, 78.2095,
31.5531


375.3901,
488.8780, 323.5082


 35.2734, 58.2461,
20.7584


 88.7057, 130.8454,
63.1996

 24.0411, 42.0065,
12.7580


 114.3127,
164.2867, 84.8884

 15.4890, 29.1064,
7.1333


 144.4267,
202.9894, 111.0457

 9.2518, 19.1613,
3.4659

179.4131,
247.3379, 142.0901

 4.9642, 11.7869,
1.3372

219.6374,
297.7167, 178.4399

 2.2608, 6.5987,
0.0920

265.4647,

 0.7745, 3.2125,

354.5100, 220.5139

0.0000

317.2605,
418.1023, 268.7304

0.0000, 1.2436,
0.0000

0.0000, 0.0969,
0.0000

49.5514, 78.2095,
31.5531

49.5514, 78.2095,
31.5531

44.7774, 75.9112,
23.9727

55.5559, 81.0939,
41.3696

41.1472, 74.1583,
18.4493


62.8676, 84.6006,
53.5754


38.5643, 72.9052,
14.7825

71.5578, 88.7633,
68.3142

36.9155, 72.0989,
12.7301

81.6924, 93.6132,
85.7176

 36.1215, 71.7064,
11.9369

 93.3332, 99.1794,
105.9079

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



63.0995, 78.2095, 18.2040



49.5514, 78.2095, 31.5531



43.1431, 78.2095, 65.0349

Triad

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



49.5514, 78.2095, 31.5531



66.9304, 78.2095, 241.0862



116.2793, 78.2095, 55.5164

Complementary

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



49.5514, 78.2095, 31.5531



62.2214, 40.6915, 99.1826

Split Complementary

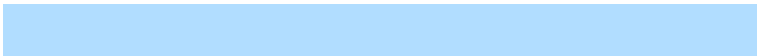
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



117.7985, 78.2095, 109.0522



49.5514, 78.2095, 31.5531



86.8326, 78.2095, 234.7093

Square

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



49.5514, 78.2095, 31.5531



51.9288, 78.2095, 194.1421



106.2522, 78.2095, 179.3214



102.4079, 78.2095, 27.2353

Rectangle

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



49.5514, 78.2095, 31.5531



42.8714, 78.2095, 101.7294



106.2522, 78.2095, 179.3214



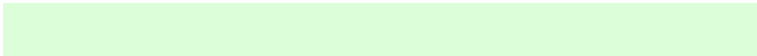
118.3311, 78.2095, 70.4896

Sweetspot

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



49.5517, 78.2096, 31.5543



77.8437, 91.7719, 79.0862



76.6008, 86.1603, 31.6633



16.2025, 19.4232, 16.1387



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

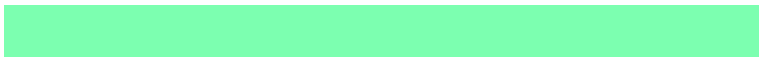
The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.5517, 78.2096, 31.5543



44.5163, 75.7853, 23.5666



51.9490, 78.9559, 53.7853



17.9258, 20.2476, 19.1077



18.9258, 37.4947, 6.2397



1.8924, 3.6763, 0.6099

Inverse Universe

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



62.2214, 40.6915, 99.1826



58.4278, 34.3675, 98.1619



59.1802, 39.9690, 60.8469



18.6190, 18.2108, 22.7837



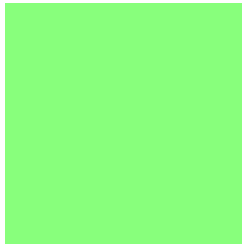
26.8282, 12.7409, 50.4798



2.6581, 1.2642, 4.9172

Previews

White Background



This preview shows how the XYZ color 49.5514, 78.2095, 31.5531 looks on a white background.

Color Contrast Check

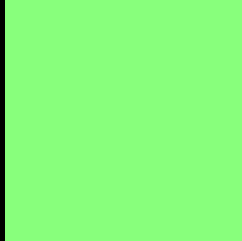
Large Text (above 18pt) WCAG AA × Fail

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 49.5514, 78.2095, 31.5531 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

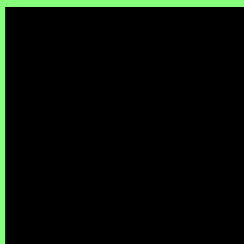
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

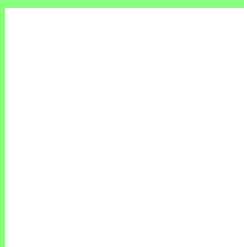
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.5514, 78.2095, 31.5531

Background



This preview shows how black text looks on a background with the XYZ color 49.5514, 78.2095, 31.5531.

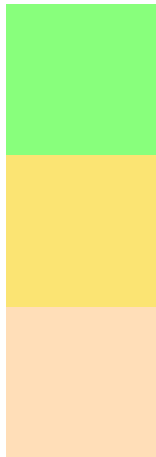


This preview shows how white text looks on a background with the XYZ color 49.5514, 78.2095,

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

49.5514, 78.2095, 31.5531

Protanopia

70.6216, 77.2338, 27.4051

Deuteranopia

76.0130, 76.9632, 56.1965



Tritanopia

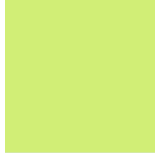
66.3037, 77.4830, 106.0689

Trichromacy



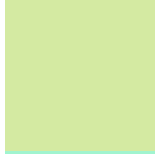
Original Color

49.5514, 78.2095, 31.5531



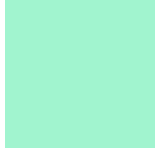
Protanomaly

60.1390, 76.0124, 28.6417



Deuteranomaly

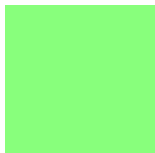
63.0958, 75.4513, 45.4205



Tritanomaly

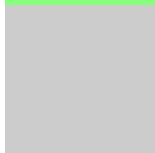
58.3111, 76.7834, 70.7788

Monochromacy



Original Color

49.5514, 78.2095, 31.5531



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

52.7159, 65.4542, 50.4129

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5514, 78.2095, 31.5531 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, 124)` looks like.

```
.text, #text, p{  
    color:rgb(136, 255, 124)  
}
```

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, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 255, 124) }
```

Border

The CSS property to change the border of an element to XYZ 49.5514, 78.2095, 31.5531 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, 124) }
```


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

```
.border{ border-color:rgb(136, 255, 124) }
```

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, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(136, 255, 124); -webkit-box-shadow:4px 4px 4px 4px rgb(136, 255, 124); box-shadow:4px 4px 4px 4px rgb(136, 255, 124) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5514, 78.2095, 31.5531 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, 124) }
```

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

```
.background{ background-color: rgb(136,  
255, 124) }
```

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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