

Converting Colors

XYZ(49.4651, 77.5117, 34.8441)

Have a look what the booklet for
XYZ(49.4651, 77.5117, 34.8441)
contains.

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Color

**XYZ(49.5764, 77.6732,
34.9337)**

Conversions

Conversions Part 1

Format	Color
Hex	86FE86
RGB	134, 254, 134
RGB Percent	53%, 100%, 53%
CMY	0.4745, 0.0039, 0.4745
CMYK	0.47, 0.00, 0.47, 0.00
HSL	120°, 98%, 76%
HSV	120°, 47%, 100%
XYZ	49.5764, 77.6732, 34.9337
YIQ	204.4400, -33.0000, -62.7600

Conversions

Conversions Part 2

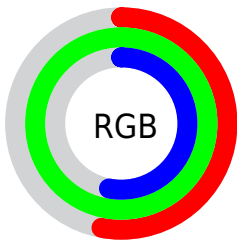
Format	Color
RYB	134, 254, 254
Decimal	8846982
CIELab	90.63, -57.13, 46.93
CIElCh	91, 73.933, 140.599
Yxy	77.6732, 0.3057, 0.4789
Android (android.graphics.Color)	4287037062 (0xFF86FE86)
YUV	204.4400, -34.7269, -61.7759
Hunter-Lab	88.1324, -53.8216, 38.1915

Details

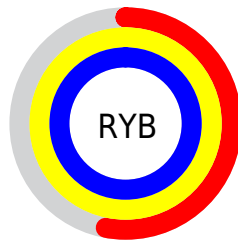
The XYZ color **49.5764, 77.6732, 34.9337** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **67.2899, 45.2781, 98.9611**, and the grayscale version is **57.9027, 60.9182, 66.3399**.

A 20% lighter version of the original color is **66.9376, 86.5316, 61.3184**, and **23.9728, 41.4904, 14.5295** is the 20% darker color. If you saturate the color by 10%, you get **44.4400, 75.2083, 26.5307**, and if you desaturate by 10%, it is **56.1142, 80.8160, 45.6261**.

Distribution



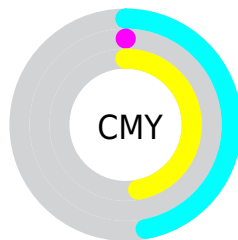
- Red (53%)
- Green (100%)
- Blue (53%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5764, 77.6732, 34.9337 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 49.5764, 77.6732, 34.9337 by changing the saturation by 10% instead.


 49.5764, 77.6732,
34.9337

 49.5764, 77.6732,
34.9337


375.4865,
487.0563, 339.1710


 35.2934, 57.8056,
23.3287


 88.7425, 130.0893,
68.5335

 24.0565, 41.6524,
14.6288


 114.3563,
163.4066, 91.3652

 15.5005, 28.8292,
8.4156


 144.4777,
201.9759, 118.7764

 9.2600, 18.9516,
4.2704

179.4721,
246.1816, 151.1854

 4.9696, 11.6353,
1.7748

219.7048,
296.4081, 189.0108

 2.2640, 6.4959,
0.4113

265.5412,

 0.7762, 3.1489,

353.0398, 232.6712

0.0000

317.3467,
416.4610, 282.5850

0.0000, 1.2099,
0.0000

0.0000, 0.0698,
0.0000

49.5764, 77.6732,
34.9337

49.5764, 77.6732,
34.9337

44.4400, 75.2083,
26.5307

56.1142, 80.8160,
45.6261

40.5975, 73.3625,
20.2455

64.1394, 84.6709,
58.7527

37.9354, 72.0838,
15.8909

73.7376, 89.2814,
74.4522

36.3177, 71.3067,
13.2448

84.9864, 94.6848,
92.8517

■ 35.5693, 70.9472,
12.0206

94.7334, 99.3667,
108.7945

■ 35.4434, 70.8867,
11.8146

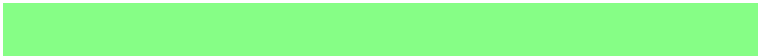
Harmonies

Analogous

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



61.9874, 77.6732, 20.5055



49.5764, 77.6732, 34.9337



43.9606, 77.6732, 68.9778

Triad

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



49.5764, 77.6732, 34.9337



68.1584, 77.6732, 230.4549



112.4487, 77.6732, 53.5143

Complementary

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



49.5764, 77.6732, 34.9337



67.2899, 45.2781, 98.9611

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.



114.8476, 77.6732, 102.3575



49.5764, 77.6732, 34.9337



87.0834, 77.6732, 220.5468

Square

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



49.5764, 77.6732, 34.9337



53.4426, 77.6732, 190.4548



104.9196, 77.6732, 167.2757



98.8274, 77.6732, 27.6923

Rectangle

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



49.5764, 77.6732, 34.9337



44.0522, 77.6732, 104.7632



104.9196, 77.6732, 167.2757



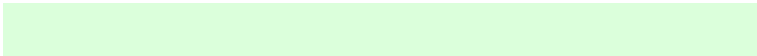
114.6740, 77.6732, 67.1591

Sweetspot

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



49.5783, 77.6765, 34.9354



77.8896, 91.7570, 80.8312



80.6214, 93.6797, 36.3874



16.1696, 19.3987, 16.4802



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

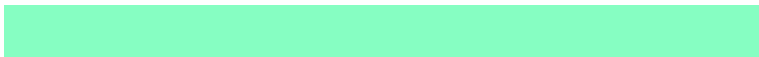
The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.5783, 77.6765, 34.9354



44.9425, 75.9308, 26.9403



55.0130, 79.8503, 63.5538



17.7717, 20.1682, 19.1006



18.6854, 37.3707, 6.2286



1.8193, 3.6387, 0.6065

Inverse Universe

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



67.2899, 45.2781, 98.9611



64.8278, 39.5563, 98.8237



59.1380, 42.0174, 56.0339



18.7927, 18.3004, 22.7917



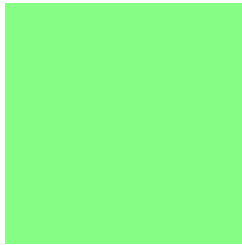
30.9799, 14.8813, 50.6720



3.0164, 1.4489, 4.9338

Previews

White Background



This preview shows how the XYZ color 49.5764, 77.6732, 34.9337 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 49.5764, 77.6732, 34.9337 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

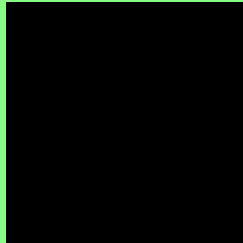
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

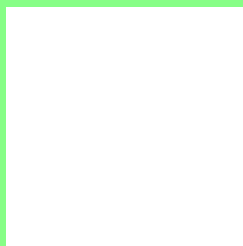
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.5764, 77.6732, 34.9337

Background



This preview shows how black text looks on a background with the XYZ color 49.5764, 77.6732, 34.9337.

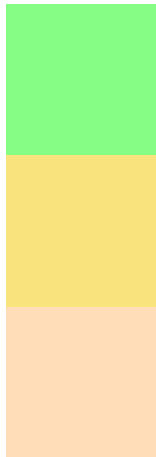


This preview shows how white text looks on a background with the XYZ color 49.5764, 77.6732,

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

49.5764, 77.6732, 34.9337

Protanopia

70.1741, 76.5331, 30.1426

Deuteranopia

75.7482, 76.4336, 56.1082



Tritanopia

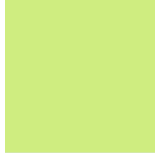
65.4191, 77.0270, 106.0275

Trichromacy



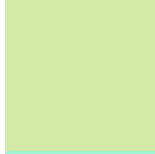
Original Color

49.5764, 77.6732, 34.9337



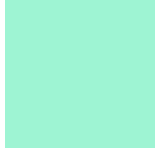
Protanomaly

59.9126, 75.3923, 31.8165



Deuteranomaly

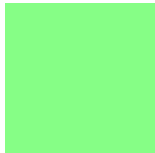
62.8858, 74.8799, 47.2152



Tritanomaly

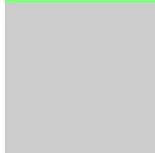
58.2091, 76.6736, 73.3596

Monochromacy



Original Color

49.5764, 77.6732, 34.9337



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

52.8484, 65.0809, 52.4243

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5764, 77.6732, 34.9337 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(134, 254, 134)` looks like.

```
.text, #text, p{  
    color:rgb(134, 254, 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(134, 254, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 254, 134) }
```

Border

The CSS property to change the border of an element to XYZ 49.5764, 77.6732, 34.9337 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(134, 254, 134) }
```


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

```
.border{ border-color:rgb(134, 254, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 254, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 254, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 254, 134);  
box-shadow:4px 4px 4px 4px rgb(134, 254,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5764, 77.6732, 34.9337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 254, 134) }
```

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

```
.background{ background-color: rgb(134,  
254, 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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