

Converting Colors

XYZ(49.9287, 76.9175, 34.7693)

Have a look what the booklet for
XYZ(49.9287, 76.9175, 34.7693)
contains.

XYZ(49.9287, 76.9175, 34.7693)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.9287, 76.9175,
34.7693)**

Conversions

Conversions Part 1

Format	Color
Hex	8CFC86
RGB	140, 252, 134
RGB Percent	55%, 99%, 53%
CMY	0.4510, 0.0117, 0.4745
CMYK	0.44, 0.00, 0.47, 0.01
HSL	117°, 95%, 76%
HSV	117°, 47%, 99%
XYZ	49.9287, 76.9175, 34.7693
YIQ	205.0600, -28.8740, -60.4420

Conversions

Conversions Part 2

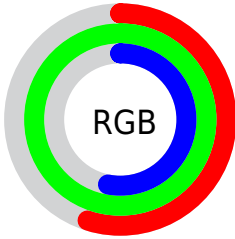
Format	Color
RYB	134, 252, 246
Decimal	9239686
CIELab	90.28, -54.68, 46.55
CIELCh	90, 71.811, 139.596
Yxy	76.9175, 0.3089, 0.4759
Android (android.graphics.Color)	4287429766 (0xFF8CFC86)
YUV	205.0600, -35.0326, -57.0576
Hunter-Lab	87.7026, -51.8604, 37.8866

Details

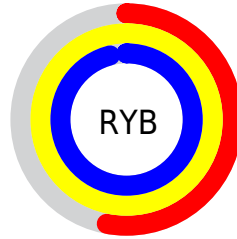
The XYZ color **49.9287, 76.9175, 34.7693** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **64.1056, 43.6738, 97.1507**, and the grayscale version is **58.2973, 61.3332, 66.7919**.

A 20% lighter version of the original color is **68.4985, 87.3362, 61.3914**, and **24.3936, 41.3736, 14.4848** is the 20% darker color. If you saturate the color by 10%, you get **44.7749, 74.4424, 26.4213**, and if you desaturate by 10%, it is **56.3811, 80.0182, 45.3671**.

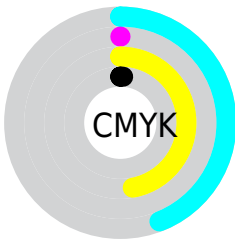
Distribution



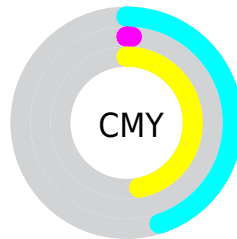
- Red (55%)
- Green (99%)
- Blue (53%)



- Red (53%)
- Yellow (99%)
- Blue (96%)



- Cyan (44%)
- Magenta (0%)
- Yellow (47%)
- Black (1%)





- Cyan (45%)
- Magenta (1%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9287, 76.9175, 34.7693 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 49.9287, 76.9175, 34.7693 by changing the saturation by 10% instead.


 49.9287, 76.9175,
34.7693


 49.9287, 76.9175,
34.7693


376.8436,
484.4827, 338.4221


 35.5743, 57.1852,
23.2031


 89.2617, 129.0230,
68.2757

 24.2742, 41.1539,
14.5368


 114.9710,
162.1650, 91.0530

 15.6630, 28.4394,
8.3520


 145.1960,
200.5456, 118.4045

 9.3753, 18.6571,
4.2300

180.3020,
244.5493, 150.7485

 5.0458, 11.4228,
1.7524

220.6544,
294.5605, 188.5038

 2.3092, 6.3520,
0.3962

266.6186,

 0.7994, 3.0603,

350.9635, 232.0888

0.0000

318.5599,
414.1428, 281.9220

0.0000, 1.1633,
0.0000

0.0000, 0.0314,
0.0000

49.9287, 76.9175,
34.7693

49.9287, 76.9175,
34.7693

44.7749, 74.4424,
26.4213

56.3811, 80.0182,
45.3671

40.8264, 72.5414,
20.1562

64.2058, 83.7726,
58.3556

37.9867, 71.1712,
15.7921

73.4778, 88.2187,
73.8701

36.1419, 70.2775,
13.1137

84.2649, 93.3888,
92.0344

■ 35.1525, 69.7944,
11.8487

■ 94.1020, 98.1039,
108.5840

■ 34.9751, 69.7080,
11.6116

Harmonies

Analogous

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



62.1728, 76.9175, 21.0233



49.9287, 76.9175, 34.7693



44.2391, 76.9175, 67.1986

Triad

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



49.9287, 76.9175, 34.7693



67.0736, 76.9175, 222.7126



110.5140, 76.9175, 54.8776

Complementary

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



49.9287, 76.9175, 34.7693



64.1056, 43.6738, 97.1507

Split Complementary

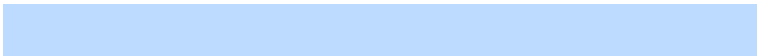
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



112.4030, 76.9175, 102.8180



49.9287, 76.9175, 34.7693



85.2551, 76.9175, 214.9648

Square

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



49.9287, 76.9175, 34.7693



53.0116, 76.9175, 183.3265



102.5368, 76.9175, 165.1510



97.7320, 76.9175, 28.9219

Rectangle

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



49.9287, 76.9175, 34.7693



44.1789, 76.9175, 101.2595



102.5368, 76.9175, 165.1510



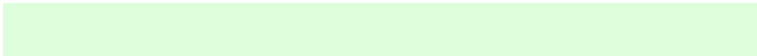
112.5151, 76.9175, 68.3852

Sweetspot

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



49.9306, 76.9207, 34.7710



78.4394, 92.0404, 80.8565



76.8422, 87.2022, 35.3371



16.3011, 19.4664, 16.4862



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.



49.9306, 76.9207, 34.7710



46.3665, 76.6487, 27.7386



53.4154, 78.2011, 58.2540



17.0990, 19.3513, 18.2964



18.2532, 36.3281, 6.0500



1.7184, 3.3790, 0.5616

Inverse Universe

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



64.1056, 43.6738, 97.1507



62.4863, 38.7619, 98.7961



59.1996, 41.9584, 60.1573



17.9008, 17.4770, 21.8152



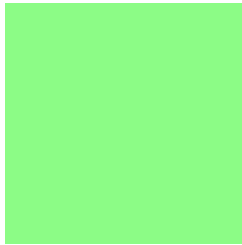
27.7684, 13.2578, 49.0690



2.5978, 1.2413, 4.5459

Previews

White Background



This preview shows how the XYZ color 49.9287, 76.9175, 34.7693 looks on a white background.

Color Contrast Check

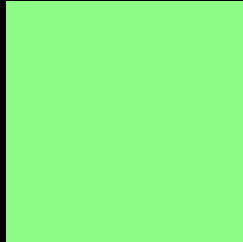
Large Text (above 18pt) WCAG AA × Fail

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 49.9287, 76.9175, 34.7693 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 49.9287, 76.9175, 34.7693

Background



This preview shows how black text looks on a background with the XYZ color 49.9287, 76.9175, 34.7693.



This preview shows how white text looks on a background with the XYZ color 49.9287, 76.9175,

34.7693.

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

49.9287, 76.9175, 34.7693

Protanopia

69.6094, 75.8298, 30.3698

Deuteranopia

75.1737, 75.7826, 54.3815



Tritanopia

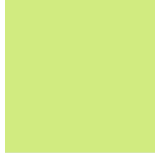
64.9118, 76.3344, 105.9205

Trichromacy



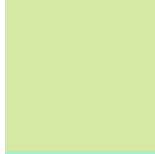
Original Color

49.9287, 76.9175, 34.7693



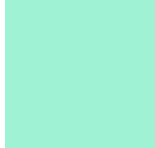
Protanomaly

59.8991, 74.5305, 31.6509



Deuteranomaly

62.9980, 74.5397, 46.1892



Tritanomaly

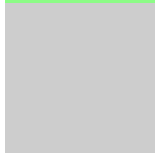
57.8081, 75.5783, 73.1693

Monochromacy



Original Color

49.9287, 76.9175, 34.7693



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

53.3140, 65.3210, 52.4461

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9287, 76.9175, 34.7693 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, 252, 134)` looks like.

```
.text, #text, p{  
    color:rgb(140, 252, 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(140, 252, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 252, 134) }
```

Border

The CSS property to change the border of an element to XYZ 49.9287, 76.9175, 34.7693 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, 252, 134) }
```


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

```
.border{ border-color:rgb(140, 252, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 252, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 252, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 252, 134);  
box-shadow:4px 4px 4px 4px rgb(140, 252,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9287, 76.9175, 34.7693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 252, 134) }
```

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

```
.background{ background-color: rgb(140,  
252, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor