

Converting Colors

XYZ(49.7730, 78.2281, 35.8800)

Have a look what the booklet for
XYZ(49.7730, 78.2281, 35.8800)
contains.

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Color

**XYZ(49.7197, 78.2031,
35.7668)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 84FF88 |
| RGB | 132, 255, 136 |
| RGB Percent | 52%, 100%, 53% |
| CMY | 0.4823, 0.0000, 0.4667 |
| CMYK | 0.48, 0.00, 0.47, 0.00 |
| HSL | 122°, 100%, 76% |
| HSV | 122°, 48%, 100% |
| XYZ | 49.7197, 78.2031, 35.7668 |
| YIQ | 204.6570, -35.1090, -63.0850 |

Conversions

Conversions Part 2

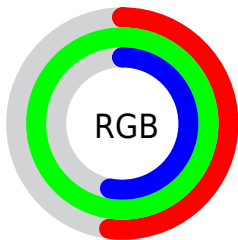
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 132, 251, 255 |
| Decimal | 8716168 |
| CIELab | 90.87, -57.79, 46.27 |
| CIELCh | 91, 74.025, 141.318 |
| Yxy | 78.2031, 0.3037, 0.4778 |
| Android (android.graphics.Color) | 4286906248 (0xFF84FF88) |
| YUV | 204.6570, -33.8479, -63.7202 |
| Hunter-Lab | 88.4325, -54.3983, 37.9227 |

Details

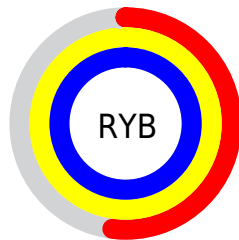
The XYZ color **49.7197, 78.2031, 35.7668** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **66.9037, 44.7278, 96.3723**, and the grayscale version is **58.0345, 61.0568, 66.4908**.

A 20% lighter version of the original color is **66.6498, 86.3580, 62.4462**, and **24.0534, 41.8591, 14.9955** is the 20% darker color. If you saturate the color by 10%, you get **44.6512, 75.7700, 27.4070**, and if you desaturate by 10%, it is **56.1669, 81.3003, 46.2998**.

Distribution



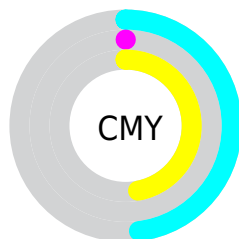
- Red (52%)
- Green (100%)
- Blue (53%)



- Red (52%)
- Yellow (98%)
- Blue (100%)



- Cyan (48%)
- Magenta (0%)
- Yellow (47%)
- Black (0%)



- Cyan (48%)
- Magenta (0%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.7197, 78.2031, 35.7668 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 49.7197, 78.2031, 35.7668 by changing the saturation by 10% instead.

■ 49.7197, 78.2031,
35.7668

■ 49.7197, 78.2031,
35.7668

376.0389,
488.8563, 342.9467

■ 35.4076, 58.2408,
23.9659

■ 88.9537, 130.8364,
69.8370

■ 24.1450, 42.0023,
15.0963

■ 114.6064,
164.2762, 92.9433

■ 15.5665, 29.1031,
8.7397

■ 144.7700,
202.9773, 120.6552

■ 9.3069, 19.1588,
4.4773

179.8098,
247.3241, 153.3911

■ 5.0006, 11.7851,
1.8907

220.0913,
297.7011, 191.5697

■ 2.2824, 6.5975,
0.4868

265.9797,

■ 0.7856, 3.2117,

354.4925, 235.6095

0.0000

317.8405,
418.0827, 285.9289

0.0000, 1.2432,
0.0000

0.0000, 0.0966,
0.0000

49.7197, 78.2031,
35.7668

49.7197, 78.2031,
35.7668

44.6512, 75.7700,
27.4070

56.1669, 81.3003,
46.2998

40.8600, 73.9520,
21.0654

64.0821, 85.1048,
59.1389

38.2324, 72.6942,
16.5727

73.5483, 89.6565,
74.4111

36.6345, 71.9316,
13.7303

84.6420, 94.9926,
92.2329

■ 35.8868, 71.5772, 95.0500, 100.0000,
12.2935 108.9000

■ 35.8055, 71.5382,
12.1594

Harmonies

Analogous

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



62.0492, 78.2031, 20.8636



49.7197, 78.2031, 35.7668



44.2362, 78.2031, 70.5788

Triad

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



49.7197, 78.2031, 35.7668



69.0506, 78.2031, 232.2185



112.9576, 78.2031, 53.0257

Complementary

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



49.7197, 78.2031, 35.7668



66.9037, 44.7278, 96.3723

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.



115.6771, 78.2031, 101.6000



49.7197, 78.2031, 35.7668



88.1322, 78.2031, 220.9939

Square

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



49.7197, 78.2031, 35.7668



54.1079, 78.2031, 193.0092



105.9575, 78.2031, 166.7422



99.0501, 78.2031, 27.5364

Rectangle

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



49.7197, 78.2031, 35.7668



44.4390, 78.2031, 106.9191



105.9575, 78.2031, 166.7422



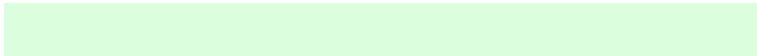
115.2932, 78.2031, 66.5563

Sweetspot

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



49.7201, 78.2033, 35.7680



78.0433, 91.8184, 81.6405



80.4148, 94.0592, 35.7472



16.2064, 19.4134, 16.6737



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.



49.7201, 78.2033, 35.7680



44.7552, 75.8199, 27.5795



55.1887, 80.3907, 64.5650



17.7955, 20.1777, 19.2262



18.7195, 37.3844, 6.4080



1.8307, 3.6432, 0.6663

Inverse Universe

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



66.9037, 44.7278, 96.3723



63.7929, 38.7102, 94.7065



58.9451, 41.5444, 54.4628



18.7656, 18.2896, 22.6490



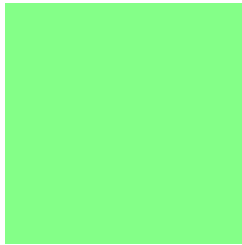
30.3086, 14.6127, 47.1372



2.9588, 1.4259, 4.6302

Previews

White Background



This preview shows how the XYZ color 49.7197, 78.2031, 35.7668 looks on a white background.

Color Contrast Check

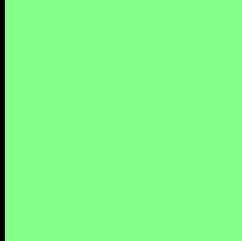
Large Text (above 18pt) WCAG AA × Fail

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 49.7197, 78.2031, 35.7668 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 49.7197, 78.2031, 35.7668

Background



This preview shows how black text looks on a background with the XYZ color 49.7197, 78.2031, 35.7668.



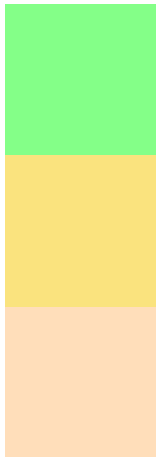
This preview shows how white text looks on a background with the XYZ color 49.7197, 78.2031,

35.7668.

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

49.7197, 78.2031, 35.7668

Protanopia

70.6593, 76.7685, 30.8323

Deuteranopia

76.2242, 77.0477, 57.3086



Tritanopia

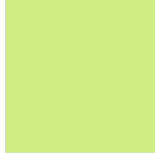
66.1501, 77.8372, 106.1454

Trichromacy



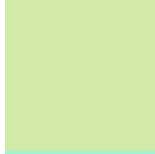
Original Color

49.7197, 78.2031, 35.7668



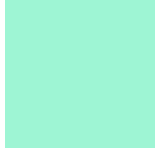
Protanomaly

60.0456, 75.4455, 32.5168



Deuteranomaly

63.0690, 75.3744, 48.2704



Tritanomaly

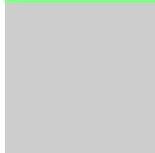
58.6366, 77.3274, 74.1226

Monochromacy



Original Color

49.7197, 78.2031, 35.7668



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

52.9860, 65.5356, 53.0370

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7197, 78.2031, 35.7668 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(132, 255, 136)` looks like.

```
.text, #text, p{  
    color:rgb(132, 255, 136)  
}
```

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(132, 255, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 255, 136) }
```

Border

The CSS property to change the border of an element to XYZ 49.7197, 78.2031, 35.7668 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(132, 255, 136) }
```


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

```
.border{ border-color:rgb(132, 255, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 255, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 255, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 255, 136);  
box-shadow:4px 4px 4px 4px rgb(132, 255,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7197, 78.2031, 35.7668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 255, 136) }
```

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

```
.background{ background-color: rgb(132,  
255, 136) }
```

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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