

Converting Colors

XYZ(49.2398, 78.1920, 25.0677)

Have a look what the booklet for
XYZ(49.2398, 78.1920, 25.0677)
contains.

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Color

**XYZ(49.3136, 78.2301,
25.0712)**

Conversions

Conversions Part 1

Format	Color
Hex	8EFF66
RGB	142, 255, 102
RGB Percent	56%, 100%, 40%
CMY	0.4431, 0.0000, 0.6000
CMYK	0.44, 0.00, 0.60, 0.00
HSL	104°, 100%, 70%
HSV	104°, 60%, 100%
XYZ	49.3136, 78.2301, 25.0712
YIQ	203.7710, -18.2350, -71.5390

Conversions

Conversions Part 2

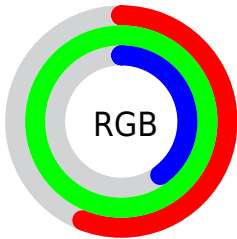
Format	Color
RYB	102, 255, 215
Decimal	9371494
CIELab	90.88, -58.94, 61.70
CIELCh	91, 85.327, 133.689
Yxy	78.2301, 0.3231, 0.5126
Android (android.graphics.Color)	4287561574 (0xFF8EFF66)
YUV	203.7710, -50.1731, -54.1732
Hunter-Lab	88.4478, -55.2619, 45.1072

Details

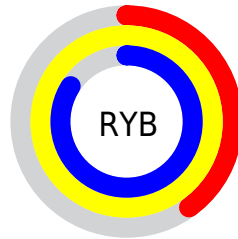
The XYZ color **49.3136, 78.2301, 25.0712** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **50.8274, 31.1714, 97.9455**, and the grayscale version is **57.5649, 60.5627, 65.9528**.

A 20% lighter version of the original color is **66.2887, 86.5452, 45.5589**, and **23.8332, 41.8713, 9.3085** is the 20% darker color. If you saturate the color by 10%, you get **45.2743, 76.2721, 19.2656**, and if you desaturate by 10%, it is **54.2883, 80.6253, 32.9525**.

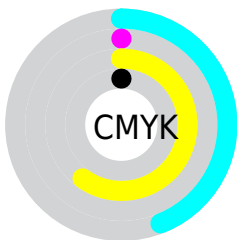
Distribution



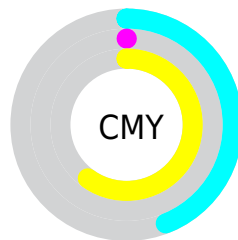
- Red (56%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (84%)



- Cyan (44%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)





- Cyan (44%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.3136, 78.2301, 25.0712 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 49.3136, 78.2301, 25.0712 by changing the saturation by 10% instead.


 49.3136, 78.2301,
25.0712

 49.3136, 78.2301,
25.0712


374.4721,
488.9479, 291.6514

 35.0839, 58.2630,
15.9106


 88.3550, 130.8744,
52.7383


 23.8943, 42.0201,
9.3072


 113.8973,
164.3205, 72.0818

 15.3795, 29.1171,
4.8426


 143.9412,
203.0283, 95.6568

 9.1742, 19.1694,
2.0981

 178.8521,
247.3823, 123.8816

 4.9130, 11.7927,
0.6146

218.9953,
297.7669, 157.1750

 2.2306, 6.6027,
0.0000

264.7361,

 0.7588, 3.2149,

354.5664, 195.9554

0.0000

316.4399,
418.1653, 240.6413

0.0000, 1.2449,
0.0000

0.0000, 0.0980,
0.0000

49.3136, 78.2301,
25.0712

49.3136, 78.2301,
25.0712

45.2743, 76.2721,
19.2656

54.2883, 80.6253,
32.9525

42.1052, 74.7220,
15.3361


60.2553, 83.4835,
43.0771


39.7327, 73.5471,
13.0504

67.2678, 86.8287,
55.5998

38.0518, 72.7015,
12.0274

75.3748, 90.6831,
70.6605

 38.0516, 72.7014,
12.0272

 84.6218, 95.0673,
88.3884

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.



65.0009, 78.2301, 14.1822



49.3136, 78.2301, 25.0712



41.3353, 78.2301, 56.0831

Triad

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



49.3136, 78.2301, 25.0712



63.3454, 78.2301, 256.6719



122.1514, 78.2301, 60.1354

Complementary

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



49.3136, 78.2301, 25.0712



50.8274, 31.1714, 97.9455

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.



121.4713, 78.2301, 122.9180



49.3136, 78.2301, 25.0712



84.5669, 78.2301, 259.6068

Square

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



49.3136, 78.2301, 25.0712



48.3038, 78.2301, 195.8314



106.6985, 78.2301, 202.5771



108.4085, 78.2301, 26.8038

Rectangle

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



49.3136, 78.2301, 25.0712



40.2780, 78.2301, 93.0206



106.6985, 78.2301, 202.5771



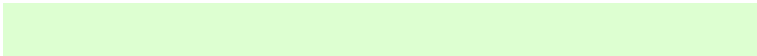
123.6723, 78.2301, 77.7915

Sweetspot

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



49.3139, 78.2302, 25.0724



77.1300, 91.5161, 73.9857



67.7360, 70.4145, 22.5928



15.9651, 19.3301, 14.8071



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.



49.3139, 78.2302, 25.0724



44.5724, 75.9301, 18.3355



45.8060, 76.1714, 36.2207



18.2168, 20.3976, 19.1213



20.0006, 38.0487, 6.2900



2.0446, 3.7548, 0.6170

Inverse Universe

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



50.8274, 31.1714, 97.9455



46.0620, 25.0435, 97.0139



58.8177, 35.8940, 71.0540



18.3020, 18.0474, 22.7688



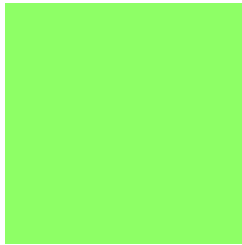
20.4593, 9.4576, 50.1818



2.0945, 0.9737, 4.8908

Previews

White Background



This preview shows how the XYZ color 49.3136, 78.2301, 25.0712 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 49.3136, 78.2301, 25.0712 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

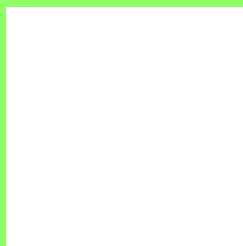
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.3136, 78.2301, 25.0712

Background



This preview shows how black text looks on a background with the XYZ color 49.3136, 78.2301, 25.0712.

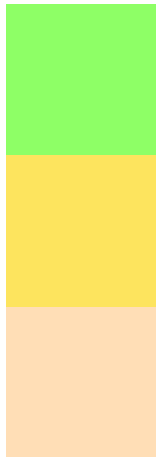


This preview shows how white text looks on a background with the XYZ color 49.3136, 78.2301,

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

49.3136, 78.2301, 25.0712

Protanopia

70.2718, 77.1776, 21.7827

Deuteranopia

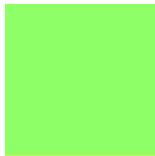
75.8048, 76.8800, 55.0999



Tritanopia

66.7560, 77.7162, 106.0901

Trichromacy



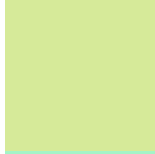
Original Color

49.3136, 78.2301, 25.0712



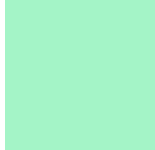
Protanomaly

60.1728, 76.1583, 22.8378



Deuteranomaly

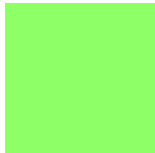
62.9041, 75.4417, 41.3833



Tritanomaly

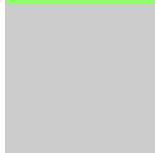
57.9693, 76.7174, 65.7855

Monochromacy



Original Color

49.3136, 78.2301, 25.0712



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

52.4188, 65.3891, 46.4178

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3136, 78.2301, 25.0712 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(142, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(142, 255, 102)  
}
```

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(142, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 255, 102) }
```

Border

The CSS property to change the border of an element to XYZ 49.3136, 78.2301, 25.0712 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(142, 255, 102) }
```


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

```
.border{ border-color:rgb(142, 255, 102) }
```

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

Here you see how a box with a 4 pixel rgb(142, 255, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(142, 255,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3136, 78.2301, 25.0712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 255, 102) }
```

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

```
.background{ background-color: rgb(142,  
255, 102) }
```

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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