

Converting Colors

XYZ(49.1185, 78.1295, 25.0621)

Have a look what the booklet for
XYZ(49.1185, 78.1295, 25.0621)
contains.

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Color

**XYZ(49.1428, 78.1420,
25.0632)**

Conversions

Conversions Part 1

Format	Color
Hex	8DFF66
RGB	141, 255, 102
RGB Percent	55%, 100%, 40%
CMY	0.4471, 0.0000, 0.6000
CMYK	0.45, 0.00, 0.60, 0.00
HSL	105°, 100%, 70%
HSV	105°, 60%, 100%
XYZ	49.1428, 78.1420, 25.0632
YIQ	203.4720, -18.8310, -71.7510

Conversions

Conversions Part 2

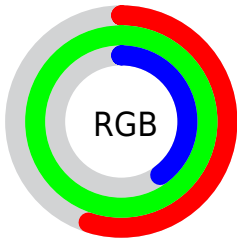
Format	Color
RYB	102, 255, 216
Decimal	9305958
CIELab	90.84, -59.23, 61.64
CIElCh	91, 85.488, 133.856
Yxy	78.1420, 0.3226, 0.5129
Android (android.graphics.Color)	4287496038 (0xFF8DFF66)
YUV	203.4720, -50.0257, -54.7879
Hunter-Lab	88.3980, -55.4635, 45.0683

Details

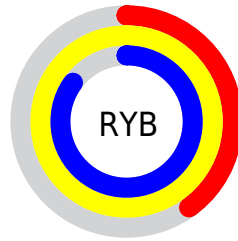
The XYZ color **49.1428, 78.1420, 25.0632** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **51.1219, 31.3232, 97.9593**, and the grayscale version is **57.3752, 60.3632, 65.7356**.

A 20% lighter version of the original color is **66.0189, 86.4061, 45.5462**, and **23.7482, 41.8274, 9.3045** is the 20% darker color. If you saturate the color by 10%, you get **45.1082, 76.1864, 19.2578**, and if you desaturate by 10%, it is **54.1211, 80.5392, 32.9447**.

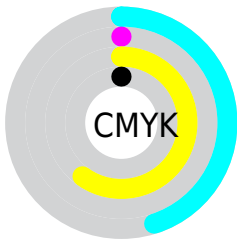
Distribution



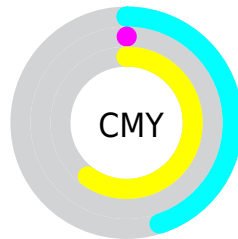
- Red (55%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (85%)



- Cyan (45%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)





- Cyan (45%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.1428, 78.1420, 25.0632 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 49.1428, 78.1420, 25.0632 by changing the saturation by 10% instead.


 49.1428, 78.1420,
25.0632


 49.1428, 78.1420,
25.0632


373.8119,
488.6489, 291.6103

 34.9478, 58.1906,
15.9047


 88.1030, 130.7503,
52.7251


 23.7890, 41.9619,
9.3031


 113.5988,
164.1760, 72.0656

 15.3010, 29.0715,
4.8399


 143.5923,
202.8619, 95.6372

 9.1186, 19.1349,
2.0965

 178.4488,
247.1925, 123.8584

 4.8764, 11.7678,
0.6137

218.5336,
297.5521, 157.1478

 2.2089, 6.5858,
0.0000


264.2122,


 0.7474, 3.2044,


354.3251, 195.9239


0.0000


315.8498,
417.8959, 240.6052


 0.0000, 1.2394,
0.0000


 0.0000, 0.0935,
0.0000


 49.1428, 78.1420,
25.0632


 49.1428, 78.1420,
25.0632


 45.1082, 76.1864,
19.2578


 54.1211, 80.5392,
32.9447


 41.9511, 74.6426,
15.3289

 60.1009, 83.4039,
43.0699

 39.5970, 73.4772,
13.0440

 67.1359, 86.7607,
55.5936

 37.9399, 72.6438,
12.0221

 75.2756, 90.6319,
70.6559

■ 37.9397, 72.6437,
12.0220

■ 84.5665, 95.0387,
88.3858

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.



64.8004, 78.1420, 14.1125



49.1428, 78.1420, 25.0632



41.2054, 78.1420, 56.2145

Triad

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



49.1428, 78.1420, 25.0632



63.3547, 78.1420, 257.1207



122.1002, 78.1420, 59.7518

Complementary

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



49.1428, 78.1420, 25.0632



51.1219, 31.3232, 97.9593

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.



121.5058, 78.1420, 122.4519



49.1428, 78.1420, 25.0632



84.6235, 78.1420, 259.6880

Square

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



49.1428, 78.1420, 25.0632



48.2614, 78.1420, 196.3686



106.7715, 78.1420, 202.2675



108.2659, 78.1420, 26.5732

Rectangle

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



49.1428, 78.1420, 25.0632



40.1761, 78.1420, 93.3004



106.7715, 78.1420, 202.2675



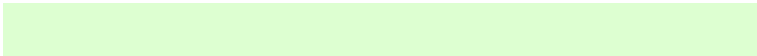
123.6528, 78.1420, 77.3635

Sweetspot

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



49.1431, 78.1422, 25.0644



77.0387, 91.4690, 73.9815



67.7360, 70.4145, 22.5928



15.9432, 19.3187, 14.8061



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.



49.1431, 78.1422, 25.0644



44.4081, 75.8454, 18.3278



45.8060, 76.1714, 36.2207



18.2054, 20.3918, 19.1208



19.9398, 38.0174, 6.2872



2.0373, 3.7510, 0.6166

Inverse Universe

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



51.1219, 31.3232, 97.9593



46.3984, 25.2169, 97.0296



58.8177, 35.8940, 71.0540



18.3141, 18.0537, 22.7694



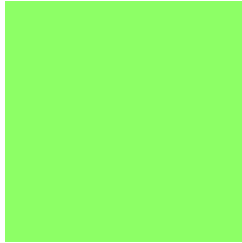
20.6735, 9.5680, 50.1918



2.1138, 0.9836, 4.8917

Previews

White Background



This preview shows how the XYZ color 49.1428, 78.1420, 25.0632 looks on a white background.

Color Contrast Check

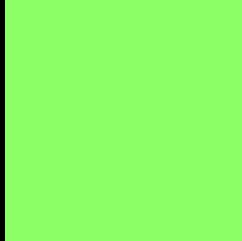
Large Text (above 18pt) WCAG AA × Fail

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 49.1428, 78.1420, 25.0632 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

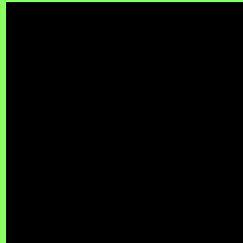
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

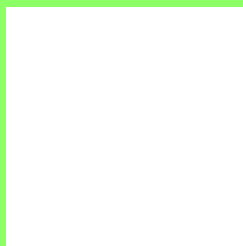
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.1428, 78.1420, 25.0632

Background



This preview shows how black text looks on a background with the XYZ color 49.1428, 78.1420, 25.0632.



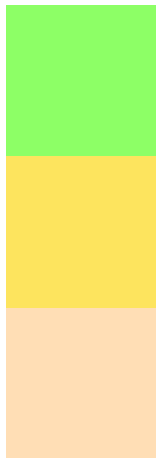
This preview shows how white text looks on a background with the XYZ color 49.1428, 78.1420,

25.0632.

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

49.1428, 78.1420, 25.0632

Protanopia

70.2718, 77.1776, 21.7827

Deuteranopia

75.7018, 76.8387, 54.5575



Tritanopia

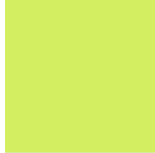
66.7560, 77.7162, 106.0901

Trichromacy



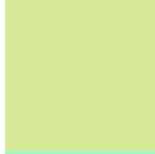
Original Color

49.1428, 78.1420, 25.0632



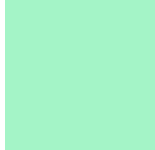
Protanomaly

59.8836, 76.0092, 22.8243



Deuteranomaly

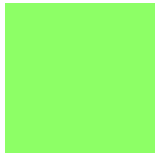
62.8219, 75.4088, 40.9500



Tritanomaly

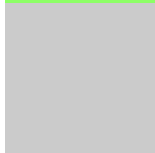
57.9693, 76.7174, 65.7855

Monochromacy



Original Color

49.1428, 78.1420, 25.0632



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

51.8266, 64.6990, 45.8330

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1428, 78.1420, 25.0632 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(141, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(141, 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(141, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 255, 102) }
```

Border

The CSS property to change the border of an element to XYZ 49.1428, 78.1420, 25.0632 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(141, 255, 102) }
```


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

```
.border{ border-color:rgb(141, 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(141, 255, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(141, 255,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1428, 78.1420, 25.0632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 255, 102) }
```

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

```
.background{ background-color: rgb(141,  
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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