

Converting Colors

XYZ(49.3513, 78.4833, 25.9563)

Have a look what the booklet for
XYZ(49.3513, 78.4833, 25.9563)
contains.

XYZ(49.1250, 78.1154, 25.8532)	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(49.1250, 78.1154,
25.8532)**

Conversions

Conversions Part 1

Format	Color
Hex	8CFF69
RGB	140, 255, 105
RGB Percent	55%, 100%, 41%
CMY	0.4510, 0.0000, 0.5882
CMYK	0.45, 0.00, 0.59, 0.00
HSL	106°, 100%, 71%
HSV	106°, 59%, 100%
XYZ	49.1250, 78.1154, 25.8532
YIQ	203.5150, -20.3900, -71.0300

Conversions

Conversions Part 2

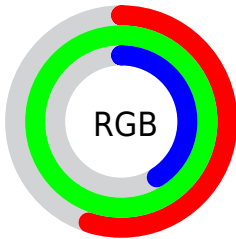
Format	Color
RYB	105, 255, 220
Decimal	9240425
CIELab	90.83, -59.23, 60.35
CIELCh	91, 84.556, 134.462
Yxy	78.1154, 0.3209, 0.5102
Android (android.graphics.Color)	4287430505 (0xFF8CFF69)
YUV	203.5150, -48.5679, -55.7027
Hunter-Lab	88.3829, -55.4562, 44.5249

Details

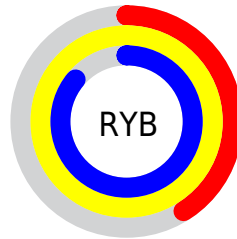
The XYZ color **49.1250, 78.1154, 25.8532** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **52.6185, 32.5403, 98.1154**, and the grayscale version is **57.3941, 60.3831, 65.7571**.

A 20% lighter version of the original color is **65.9246, 86.3374, 46.4479**, and **23.7451, 41.8165, 9.7256** is the 20% darker color. If you saturate the color by 10%, you get **44.9979, 76.1172, 19.8142**, and if you desaturate by 10%, it is **54.2307, 80.5726, 33.9908**.

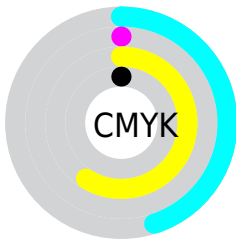
Distribution



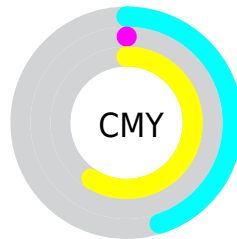
- Red (55%)
- Green (100%)
- Blue (41%)



- Red (41%)
- Yellow (100%)
- Blue (86%)



- Cyan (45%)
- Magenta (0%)
- Yellow (59%)
- Black (0%)





- Cyan (45%)
- Magenta (0%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.1250, 78.1154, 25.8532 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 49.1250, 78.1154, 25.8532 by changing the saturation by 10% instead.


 49.1250, 78.1154,
25.8532


 49.1250, 78.1154,
25.8532


373.7430,
488.5586, 295.6432


 34.9336, 58.1688,
16.4891


 88.0767, 130.7128,
54.0192


 23.7780, 41.9444,
9.7128


 113.5677,
164.1323, 73.6582

 15.2929, 29.0577,
5.1058


 143.5559,
202.8117, 97.5591

 9.1128, 19.1245,
2.2497

 178.4067,
247.1352, 126.1407

 4.8726, 11.7603,
0.7028

218.4855,
297.4872, 159.8213

 2.2067, 6.5807,
0.0000

264.1575,

 0.7462, 3.2013,

354.2522, 199.0196

0.0000

315.7883,
417.8146, 244.1540

■ 0.0000, 1.2377,
0.0000

■ 0.0000, 0.0922,
0.0000

■ 49.1250, 78.1154,
25.8532

■ 49.1250, 78.1154,
25.8532

■ 44.9979, 76.1172,
19.8142

■ 54.2307, 80.5726,
33.9908

■ 41.7815, 74.5473,
15.6775


■ 60.3749, 83.5162,
44.3925


■ 39.3990, 73.3710,
13.2160

■ 67.6132, 86.9715,
57.2114

■ 37.7504, 72.5442,
12.0991

■ 75.9970, 90.9618,
72.5862

 37.5931, 72.4650,
12.0058

 85.5742, 95.5093,
90.6449

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.



64.4931, 78.1154, 14.5789



49.1250, 78.1154, 25.8532



41.4013, 78.1154, 57.3777

Triad

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



49.1250, 78.1154, 25.8532



63.8205, 78.1154, 255.1796



121.3093, 78.1154, 59.0264

Complementary

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



49.1250, 78.1154, 25.8532



52.6185, 32.5403, 98.1154

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.



121.0340, 78.1154, 120.4479



49.1250, 78.1154, 25.8532



84.9364, 78.1154, 256.3649

Square

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



49.1250, 78.1154, 25.8532



48.7140, 78.1154, 196.3088



106.7369, 78.1154, 199.0360



107.4297, 78.1154, 26.5623

Rectangle

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



49.1250, 78.1154, 25.8532



40.4796, 78.1154, 94.4973



106.7369, 78.1154, 199.0360



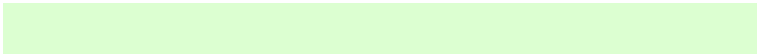
122.9425, 78.1154, 76.2625

Sweetspot

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



49.1252, 78.1155, 25.8544



76.7384, 91.3143, 73.9674



69.3835, 73.4669, 23.8894



15.8710, 19.2815, 14.8027



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.



49.1252, 78.1155, 25.8544



44.2222, 75.7398, 18.7582



46.6973, 76.5679, 39.1072



18.1681, 20.3726, 19.1191



19.7509, 37.9201, 6.2783



2.0143, 3.7392, 0.6156

Inverse Universe

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



52.6185, 32.5403, 98.1154



47.8661, 26.2210, 97.1461



58.5579, 36.2704, 68.2053



18.3540, 18.0742, 22.7713



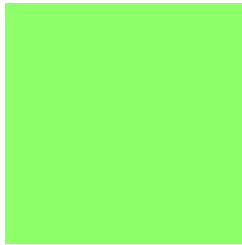
21.3977, 9.9414, 50.2257



2.1790, 1.0172, 4.8948

Previews

White Background



This preview shows how the XYZ color 49.1250, 78.1154, 25.8532 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 49.1250, 78.1154, 25.8532 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

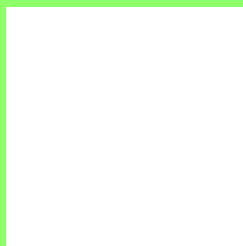
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.1250, 78.1154, 25.8532

Background



This preview shows how black text looks on a background with the XYZ color 49.1250, 78.1154, 25.8532.



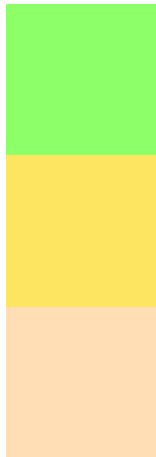
This preview shows how white text looks on a background with the XYZ color 49.1250, 78.1154,

25.8532.

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

49.1250, 78.1154, 25.8532

Protanopia

70.4091, 77.2325, 22.5057

Deuteranopia

75.8048, 76.8800, 55.0999



Tritanopia

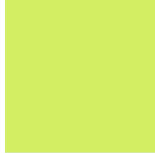
66.5290, 77.5992, 106.0794

Trichromacy



Original Color

49.1250, 78.1154, 25.8532



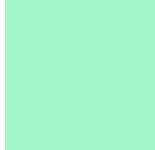
Protanomaly

60.0262, 76.0662, 23.5751



Deuteranomaly

62.6961, 75.3249, 41.8066



Tritanomaly

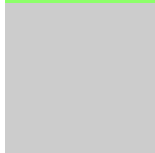
57.8803, 76.6580, 66.3894

Monochromacy



Original Color

49.1250, 78.1154, 25.8532



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

52.5116, 65.4263, 46.9067

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1250, 78.1154, 25.8532 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, 255, 105)` looks like.

```
.text, #text, p{  
    color:rgb(140, 255, 105)  
}
```

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, 255, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 255, 105) }
```

Border

The CSS property to change the border of an element to XYZ 49.1250, 78.1154, 25.8532 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, 255, 105) }
```


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

```
.border{ border-color:rgb(140, 255, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 255, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 255, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 255, 105);  
box-shadow:4px 4px 4px 4px rgb(140, 255,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1250, 78.1154, 25.8532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 255, 105) }
```

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

```
.background{ background-color: rgb(140,  
255, 105) }
```

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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