

Converting Colors

XYZ(66.1705, 111.0992,
34.0753)

Have a look what the booklet for
XYZ(66.1705, 111.0992, 34.0753)
contains.

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Color

**XYZ(49.8390, 78.4205,
28.7295)**

Conversions

Conversions Part 1

Format	Color
Hex	8DFF73
RGB	141, 255, 115
RGB Percent	55%, 100%, 45%
CMY	0.4471, 0.0000, 0.5490
CMYK	0.45, 0.00, 0.55, 0.00
HSL	109°, 100%, 73%
HSV	109°, 55%, 100%
XYZ	49.8390, 78.4205, 28.7295
YIQ	204.9540, -23.0040, -67.7080

Conversions

Conversions Part 2

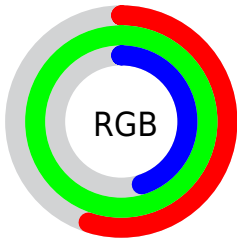
Format	Color
RYB	115, 255, 229
Decimal	9305971
CIELab	90.97, -57.89, 56.16
CIELCh	91, 80.652, 135.871
Yxy	78.4205, 0.3175, 0.4995
Android (android.graphics.Color)	4287496051 (0xFF8DFF73)
YUV	204.9540, -44.3473, -56.0877
Hunter-Lab	88.5553, -54.5120, 42.7536

Details

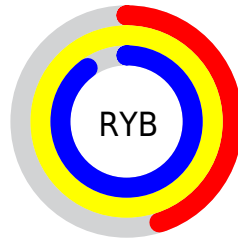
The XYZ color **49.8390, 78.4205, 28.7295** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **56.4954, 36.1409, 98.6060**, and the grayscale version is **58.2826, 61.3179, 66.7751**.

A 20% lighter version of the original color is **66.8351, 86.7016, 51.2427**, and **24.1168, 41.9749, 11.2458** is the 20% darker color. If you saturate the color by 10%, you get **45.3629, 76.2597, 21.8912**, and if you desaturate by 10%, it is **55.3835, 81.0852, 37.7382**.

Distribution



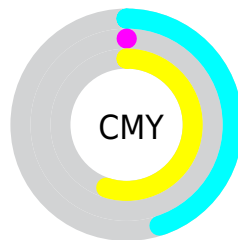
- Red (55%)
- Green (100%)
- Blue (45%)



- Red (45%)
- Yellow (100%)
- Blue (90%)



- Cyan (45%)
- Magenta (0%)
- Yellow (55%)
- Black (0%)





- Cyan (45%)
- Magenta (0%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.8390, 78.4205, 28.7295 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 49.8390, 78.4205, 28.7295 by changing the saturation by 10% instead.


 49.8390, 78.4205,
28.7295

 49.8390, 78.4205,
28.7295


376.4984,
489.5937, 309.9574


 35.5028, 58.4195,
18.6325


 89.1295, 131.1427,
58.6841

 24.2187, 42.1460,
11.2309


 114.8145,
164.6327, 79.3787

 15.6216, 29.2156,
6.1062


 145.0132,
203.3878, 104.4430

 9.3459, 19.2440,
2.8400

180.0908,
247.7924, 134.2954

 5.0264, 11.8467,
1.0135

220.4128,
298.2309, 169.3545

 2.2977, 6.6394,
0.0000


266.3445,


 0.7935, 3.2376,


355.0877, 210.0388


0.0000


318.2512,
418.7472, 256.7670


 0.0000, 1.2570,
0.0000


 0.0000, 0.1075,
0.0000


 49.8390, 78.4205,
28.7295


 49.8390, 78.4205,
28.7295


 45.3629, 76.2597,
21.8912


 55.3835, 81.0852,
37.7382


 41.8827, 74.5695,
17.0370

 62.0601, 84.2831,
49.0756

 39.3181, 73.3129,
13.9552

 69.9285, 88.0417,
62.8896

 37.5742, 72.4469,
12.3842

 79.0438, 92.3868,
79.3146

■ 36.9486, 72.1327,
11.9756

■ 89.4577, 97.3420,
98.4757

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.



64.3432, 78.4205, 16.6063



49.8390, 78.4205, 28.7295



42.6765, 78.4205, 60.8583

Triad

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



49.8390, 78.4205, 28.7295



65.3907, 78.4205, 246.5929



118.8433, 78.4205, 58.2696

Complementary

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



49.8390, 78.4205, 28.7295



56.4954, 36.1409, 98.6060

Split Complementary

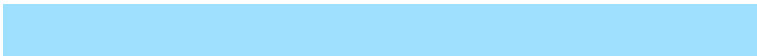
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



119.2641, 78.4205, 115.7522



49.8390, 78.4205, 28.7295



85.7529, 78.4205, 244.8086

Square

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



49.8390, 78.4205, 28.7295



50.4851, 78.4205, 193.6680



106.2833, 78.4205, 189.5383



105.2211, 78.4205, 27.5796

Rectangle

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



49.8390, 78.4205, 28.7295



42.0057, 78.4205, 97.3659



106.2833, 78.4205, 189.5383



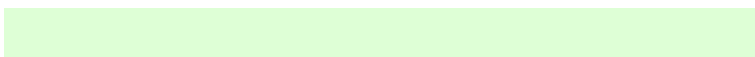
120.6070, 78.4205, 74.4325

Sweetspot

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



49.8393, 78.4207, 28.7307



77.9789, 91.8796, 77.3769



71.8040, 77.4365, 27.3831



16.2729, 19.4670, 15.8043



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.



49.8393, 78.4207, 28.7307



44.9328, 76.0515, 21.2639



48.9168, 77.5995, 44.2995



18.0862, 20.3303, 19.1152



19.3961, 37.7371, 6.2617



1.9687, 3.7157, 0.6134

Inverse Universe

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



56.4954, 36.1409, 98.6060



52.0962, 29.7949, 97.6130



59.3816, 38.3265, 67.2196



18.4425, 18.1198, 22.7754



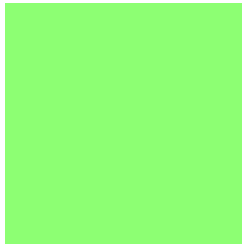
23.0907, 10.8142, 50.3049



2.3300, 1.0951, 4.9018

Previews

White Background



This preview shows how the XYZ color 49.8390, 78.4205, 28.7295 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 49.8390, 78.4205, 28.7295 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

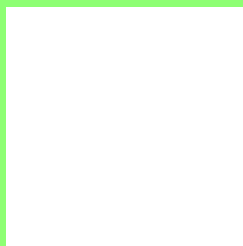
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.8390, 78.4205, 28.7295

Background



This preview shows how black text looks on a background with the XYZ color 49.8390, 78.4205, 28.7295.

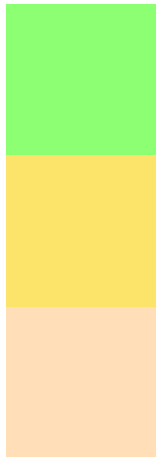


This preview shows how white text looks on a background with the XYZ color 49.8390, 78.4205,

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

49.8390, 78.4205, 28.7295

Protanopia

70.4898, 77.2229, 24.8260

Deuteranopia

76.0130, 76.9632, 56.1965



Tritanopia

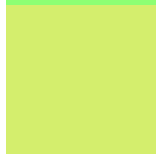
66.7560, 77.7162, 106.0901

Trichromacy



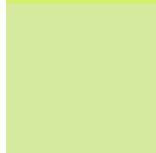
Original Color

49.8390, 78.4205, 28.7295



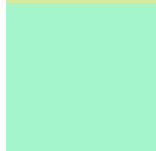
Protanomaly

60.4862, 76.2502, 25.9978



Deuteranomaly

63.4124, 75.6450, 44.0596



Tritanomaly

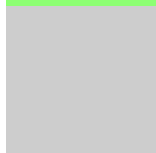
58.5596, 76.9535, 68.8938

Monochromacy



Original Color

49.8390, 78.4205, 28.7295



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

53.1255, 65.6990, 48.9109

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8390, 78.4205, 28.7295 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, 115)` looks like.

```
.text, #text, p{  
    color:rgb(141, 255, 115)  
}
```

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, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 255, 115) }
```

Border

The CSS property to change the border of an element to XYZ 49.8390, 78.4205, 28.7295 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, 115) }
```


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

```
.border{ border-color:rgb(141, 255, 115) }
```

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, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(141, 255, 115); -webkit-box-shadow:4px 4px 4px 4px rgb(141, 255, 115); box-shadow:4px 4px 4px 4px rgb(141, 255, 115) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8390, 78.4205, 28.7295 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, 115) }
```

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

```
.background{ background-color: rgb(141,  
255, 115) }
```

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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