

Converting Colors

XYZ(49.2489, 77.8644, 40.0831)

Have a look what the booklet for
XYZ(49.2489, 77.8644, 40.0831)
contains.

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Color

**XYZ(49.1948, 77.8375,
40.0351)**

Conversions

Conversions Part 1

Format	Color
Hex	7BFF93
RGB	123, 255, 147
RGB Percent	48%, 100%, 58%
CMY	0.5176, 0.0000, 0.4235
CMYK	0.52, 0.00, 0.42, 0.00
HSL	131°, 100%, 74%
HSV	131°, 52%, 100%
XYZ	49.1948, 77.8375, 40.0351
YIQ	203.2200, -44.0040, -61.5720

Conversions

Conversions Part 2

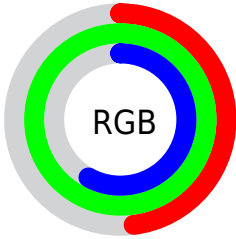
Format	Color
RYB	123, 235, 255
Decimal	8126355
CIELab	90.71, -58.49, 40.69
CIELCh	91, 71.253, 145.172
Yxy	77.8375, 0.2945, 0.4659
Android (android.graphics.Color)	4286316435 (0xFF7BFF93)
YUV	203.2200, -27.7165, -70.3529
Hunter-Lab	88.2256, -54.8627, 34.8532

Details

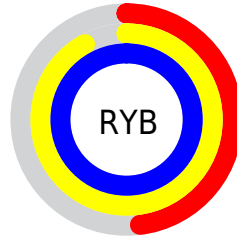
The XYZ color **49.1948, 77.8375, 40.0351** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **62.7467, 41.1956, 80.2444**, and the grayscale version is **57.0914, 60.0646, 65.4104**.

A 20% lighter version of the original color is **65.9491, 85.8515, 68.9722**, and **23.7767, 41.6583, 17.6142** is the 20% darker color. If you saturate the color by 10%, you get **44.5183, 75.5990, 32.0317**, and if you desaturate by 10%, it is **55.1190, 80.6849, 49.6492**.

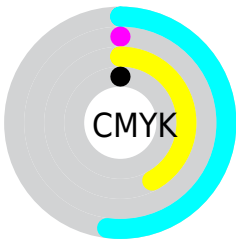
Distribution



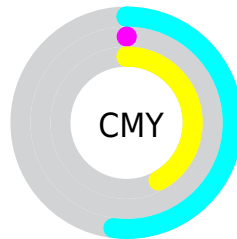
- Red (48%)
- Green (100%)
- Blue (58%)



- Red (48%)
- Yellow (92%)
- Blue (100%)



- Cyan (52%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)





- Cyan (52%)
- Magenta (0%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.1948, 77.8375, 40.0351 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 49.1948, 77.8375, 40.0351 by changing the saturation by 10% instead.


 49.1948, 77.8375,
40.0351


 49.1948, 77.8375,
40.0351


374.0129,
487.6148, 361.8280


 34.9892, 57.9405,
27.2519


 88.1797, 130.3210,
76.4546

 23.8210, 41.7608,
17.5284


 113.6897,
163.6763, 100.9281

 15.3249, 28.9141,
10.4460


 143.6985,
202.2865, 130.1353

 9.1355, 19.0158,
5.5862

178.5716,
246.5360, 164.4950

 4.8875, 11.6817,
2.5305

218.6742,
296.8092, 204.4255

 2.2155, 6.5273,
0.8562


264.3717,


 0.7509, 3.1683,


353.4905, 250.3455


0.0000


316.0295,
416.9642, 302.6735


 0.0000, 1.2202,
0.0000


 0.0000, 0.0781,
0.0000


 49.1948, 77.8375,
40.0351


 49.1948, 77.8375,
40.0351


 44.5183, 75.5990,
32.0317


 55.1190, 80.6849,
49.6492


 40.9966, 73.9234,
25.5472


 62.3718, 84.1812,
60.9516


 38.5259, 72.7591,
20.4860

 71.0286, 88.3637,
74.0194

 36.9819, 72.0445,
16.7405

 81.1588, 93.2666,
88.9238

 36.2604, 71.7202,
14.5552

 92.8272, 98.9219,
105.7322

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.



60.3001, 77.8375, 23.2194



49.1948, 77.8375, 40.0351



44.7373, 77.8375, 76.7310

Triad

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



49.1948, 77.8375, 40.0351



71.1258, 77.8375, 225.6140



109.6676, 77.8375, 49.3887

Complementary

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



49.1948, 77.8375, 40.0351



62.7467, 41.1956, 80.2444

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.



113.8050, 77.8375, 93.3130



49.1948, 77.8375, 40.0351



89.5916, 77.8375, 208.7611

Square

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



49.1948, 77.8375, 40.0351



56.0313, 77.8375, 194.0065



105.9481, 77.8375, 154.3478



95.4080, 77.8375, 26.8940

Rectangle

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



49.1948, 77.8375, 40.0351



45.5115, 77.8375, 113.2241



105.9481, 77.8375, 154.3478



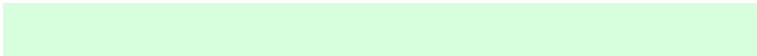
112.3766, 77.8375, 61.5040

Sweetspot

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



49.1953, 77.8377, 40.0364



76.6837, 91.0998, 82.3820



72.9396, 90.2738, 32.3196



15.9690, 19.2840, 16.9787



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.



49.1953, 77.8377, 40.0364



44.4223, 75.5532, 31.8617



55.6865, 80.4342, 74.2187



17.9064, 20.2221, 19.8102



18.9854, 37.4908, 7.8085



1.8832, 3.6642, 0.9429

Inverse Universe

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



62.7467, 41.1956, 80.2444



59.2676, 35.2958, 75.8220



55.2982, 38.2163, 41.0216



18.6426, 18.2404, 22.0011



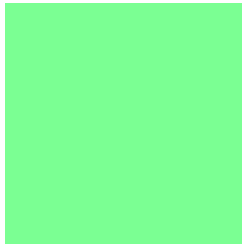
27.5898, 13.5252, 32.8200



2.7215, 1.3310, 3.3810

Previews

White Background



This preview shows how the XYZ color 49.1948, 77.8375, 40.0351 looks on a white background.

Color Contrast Check

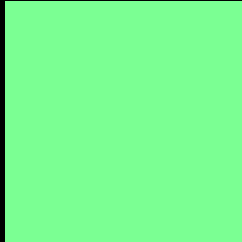
Large Text (above 18pt) WCAG AA × Fail

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 49.1948, 77.8375, 40.0351 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

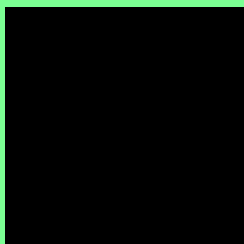
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

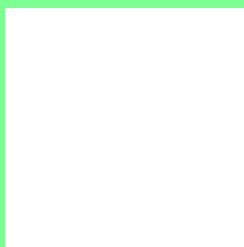
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.1948, 77.8375, 40.0351

Background



This preview shows how black text looks on a background with the XYZ color 49.1948, 77.8375, 40.0351.

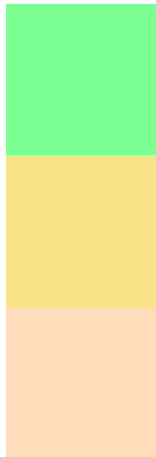


This preview shows how white text looks on a background with the XYZ color 49.1948, 77.8375,

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

49.1948, 77.8375, 40.0351

Protanopia

70.6244, 76.6722, 34.3695

Deuteranopia

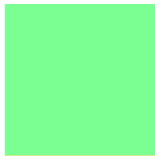
76.0661, 76.5608, 57.7823



Tritanopia

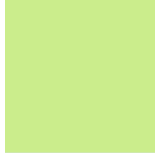
65.0650, 77.2778, 106.0946

Trichromacy



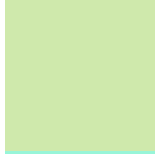
Original Color

49.1948, 77.8375, 40.0351



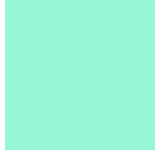
Protanomaly

59.6464, 75.1583, 36.1743



Deuteranomaly

62.3174, 74.5218, 50.1294



Tritanomaly

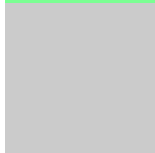
57.9960, 76.9381, 76.7596

Monochromacy



Original Color

49.1948, 77.8375, 40.0351



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

52.1241, 64.6601, 54.5332

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1948, 77.8375, 40.0351 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(123, 255, 147)` looks like.

```
.text, #text, p{  
    color:rgb(123, 255, 147)  
}
```

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(123, 255, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 255, 147) }
```

Border

The CSS property to change the border of an element to XYZ 49.1948, 77.8375, 40.0351 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(123, 255, 147) }
```


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

```
.border{ border-color:rgb(123, 255, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 255, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 255, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 255, 147);  
box-shadow:4px 4px 4px 4px rgb(123, 255,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1948, 77.8375, 40.0351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 255, 147) }
```

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

```
.background{ background-color: rgb(123,  
255, 147) }
```

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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