

Converting Colors

XYZ(49.9313, 77.5365, 46.4587)

Have a look what the booklet for
XYZ(49.9313, 77.5365, 46.4587)
contains.

XYZ(49.9894, 77.6298, 46.5318)	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(49.9894, 77.6298,
46.5318)**

Conversions

Conversions Part 1

Format	Color
Hex	7AFEA2
RGB	122, 254, 162
RGB Percent	48%, 100%, 64%
CMY	0.5216, 0.0039, 0.3647
CMYK	0.52, 0.00, 0.36, 0.00
HSL	138°, 99%, 74%
HSV	138°, 52%, 100%
XYZ	49.9894, 77.6298, 46.5318
YIQ	204.0440, -49.1400, -56.5960

Conversions

Conversions Part 2

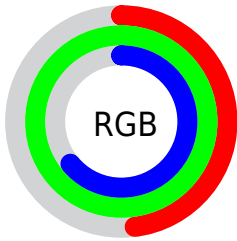
Format	Color
RYB	122, 223, 254
Decimal	8060578
CIELab	90.61, -55.93, 33.16
CIElCh	91, 65.024, 149.333
Yxy	77.6298, 0.2870, 0.4458
Android (android.graphics.Color)	4286250658 (0xFF7AFE A2)
YUV	204.0440, -20.7277, -71.9526
Hunter-Lab	88.1078, -52.9137, 30.3630

Details

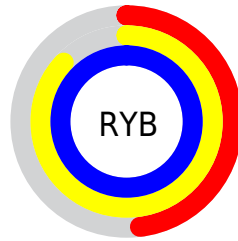
The XYZ color **49.9894, 77.6298, 46.5318** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **59.9725, 39.8464, 68.1509**, and the grayscale version is **57.5731, 60.5714, 65.9622**.

A 20% lighter version of the original color is **67.5758, 86.4748, 78.7753**, and **24.2452, 41.4835, 21.1973** is the 20% darker color. If you saturate the color by 10%, you get **45.3876, 75.4289, 38.6728**, and if you desaturate by 10%, it is **55.7565, 80.4102, 55.6052**.

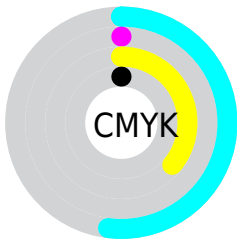
Distribution



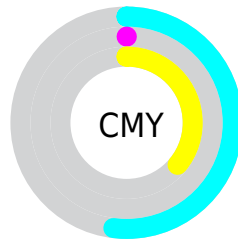
- Red (48%)
- Green (100%)
- Blue (64%)



- Red (48%)
- Yellow (87%)
- Blue (100%)



- Cyan (52%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)





- Cyan (52%)
- Magenta (0%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.9894, 77.6298, 46.5318 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 49.9894, 77.6298, 46.5318 by changing the saturation by 10% instead.


 49.9894, 77.6298,
46.5318


 49.9894, 77.6298,
46.5318


377.0772,
486.9087, 389.2821


 35.6227, 57.7699,
32.3140


 89.3511, 130.0281,
86.3570

 24.3117, 41.6237,
21.3346


 115.0768,
163.3354, 112.8014

 15.6910, 28.8068,
13.1752


 145.3196,
201.8938, 144.1585

 9.3952, 18.9347,
7.4172

180.4449,
246.0880, 180.8467

 5.0590, 11.6231,
3.6420

220.8179,
296.3021, 223.2846

 2.3171, 6.4876,
1.4311

266.8040,

 0.8034, 3.1438,

352.9207, 271.8908

0.1658

318.7687,
416.3281, 327.0838

■ 0.0000, 1.2072,
0.0000

■ 0.0000, 0.0676,
0.0000

■ 49.9894, 77.6298,
46.5318

■ 49.9894, 77.6298,
46.5318

■ 45.3876, 75.4289,
38.6728

■ 55.7565, 80.4102,
55.6052

■ 41.8611, 73.7556,
31.9709


■ 62.7583, 83.7983,
65.9366


■ 39.3156, 72.5646,
26.3720

■ 71.0658, 87.8320,
77.5737

■ 37.6365, 71.7981,
21.8152

■ 80.7427, 92.5433,
90.5601

 36.7818, 71.4220,
18.8631

 91.8485, 97.9618,
104.9376

94.7333, 99.3666,
108.7944

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



59.4796, 77.6298, 27.9616



49.9894, 77.6298, 46.5318



46.6876, 77.6298, 83.4864

Triad

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



49.9894, 77.6298, 46.5318



73.4210, 77.6298, 209.6924



104.5975, 77.6298, 47.7565

Complementary

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



49.9894, 77.6298, 46.5318



59.9725, 39.8464, 68.1509

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.



109.7450, 77.6298, 85.5735



49.9894, 77.6298, 46.5318



90.2173, 77.6298, 189.3238

Square

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



49.9894, 77.6298, 46.5318



58.9346, 77.6298, 187.5429



104.1384, 77.6298, 139.0295



90.9409, 77.6298, 28.4638

Rectangle

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



49.9894, 77.6298, 46.5318



47.9999, 77.6298, 117.8371



104.1384, 77.6298, 139.0295



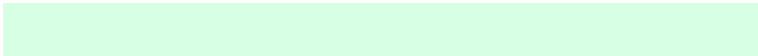
107.4622, 77.6298, 58.1703

Sweetspot

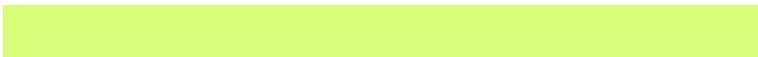
The Sweet Spot groups the original color and five complimentary colors.



49.9914, 77.6330, 46.5336



77.3549, 91.3682, 85.9165



66.8058, 86.6487, 31.6167



16.1274, 19.3473, 17.8127



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.



49.9914, 77.6330, 46.5336



45.7753, 76.0944, 38.9861



57.4182, 80.6037, 85.6427



17.9981, 20.2588, 20.2931



19.4479, 37.6758, 10.2441



1.9396, 3.6868, 1.2398

Inverse Universe

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



59.9725, 39.8464, 68.1509



56.7790, 34.3004, 62.7177



53.2117, 37.1421, 32.5488



18.5444, 18.2011, 21.4842



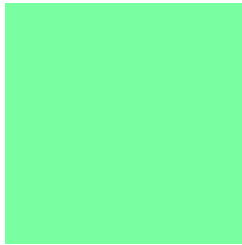
25.8029, 12.8104, 23.4101



2.5609, 1.2667, 2.5352

Previews

White Background



This preview shows how the XYZ color 49.9894, 77.6298, 46.5318 looks on a white background.

Color Contrast Check

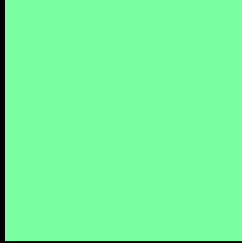
Large Text (above 18pt) WCAG AA × Fail

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 49.9894, 77.6298, 46.5318 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 49.9894, 77.6298, 46.5318

Background



This preview shows how black text looks on a background with the XYZ color 49.9894, 77.6298, 46.5318.

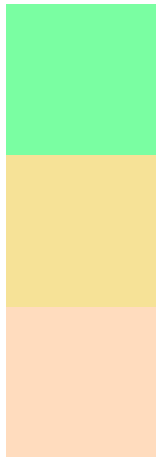


This preview shows how white text looks on a background with the XYZ color 49.9894, 77.6298,

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

49.9894, 77.6298, 46.5318

Protanopia

70.7883, 76.2199, 40.2591

Deuteranopia

76.1275, 76.1641, 59.4040



Tritanopia

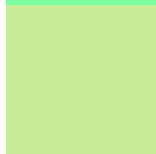
64.6424, 77.0600, 106.0748

Trichromacy



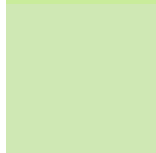
Original Color

49.9894, 77.6298, 46.5318



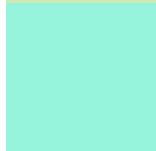
Protanomaly

59.9992, 74.7750, 42.2811



Deuteranomaly

62.8270, 74.2739, 54.2050



Tritanomaly

57.9795, 76.4059, 80.0986

Monochromacy



Original Color

49.9894, 77.6298, 46.5318



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

52.7621, 64.9153, 57.8932

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9894, 77.6298, 46.5318 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(122, 254, 162)` looks like.

```
.text, #text, p{  
    color:rgb(122, 254, 162)  
}
```

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(122, 254, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 254, 162) }
```

Border

The CSS property to change the border of an element to XYZ 49.9894, 77.6298, 46.5318 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(122, 254, 162) }
```


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

```
.border{ border-color:rgb(122, 254, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 254, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 254, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 254, 162);  
box-shadow:4px 4px 4px 4px rgb(122, 254,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9894, 77.6298, 46.5318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 254, 162) }
```

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

```
.background{ background-color: rgb(122,  
254, 162) }
```

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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