

Converting Colors

XYZ(46.8465, 76.8068, 31.8014)

Have a look what the booklet for
XYZ(46.8465, 76.8068, 31.8014)
contains.

XYZ(46.7978, 76.7826, 31.7561)	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(46.7978, 76.7826,
31.7561)**

Conversions

Conversions Part 1

Format	Color
Hex	75FF7D
RGB	117, 255, 125
RGB Percent	46%, 100%, 49%
CMY	0.5412, 0.0000, 0.5098
CMYK	0.54, 0.00, 0.51, 0.00
HSL	123°, 100%, 73%
HSV	123°, 54%, 100%
XYZ	46.7978, 76.7826, 31.7561
YIQ	198.9180, -40.5180, -69.6860

Conversions

Conversions Part 2

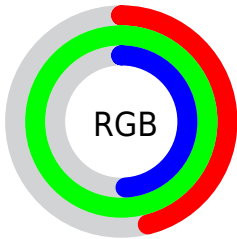
Format	Color
RYB	117, 247, 255
Decimal	7733117
CIELab	90.22, -63.03, 50.51
CIElCh	90, 80.771, 141.295
Yxy	76.7826, 0.3013, 0.4943
Android (android.graphics.Color)	4285923197 (0xFF75FF7D)
YUV	198.9180, -36.4416, -71.8421
Hunter-Lab	87.6257, -58.0144, 39.8509

Details

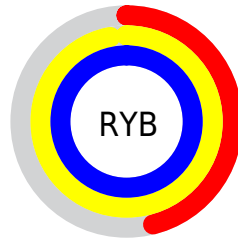
The XYZ color **46.7978, 76.7826, 31.7561** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **64.3895, 40.6980, 92.4553**, and the grayscale version is **54.4695, 57.3062, 62.4064**.

A 20% lighter version of the original color is **62.3583, 84.2803, 56.1611**, and **22.3082, 41.0047, 12.8698** is the 20% darker color. If you saturate the color by 10%, you get **42.4720, 74.7089, 24.4892**, and if you desaturate by 10%, it is **52.4283, 79.4859, 41.0233**.

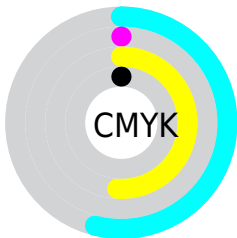
Distribution



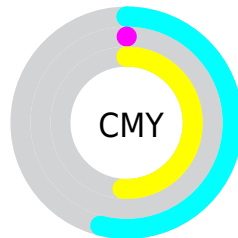
- Red (46%)
- Green (100%)
- Blue (49%)



- Red (46%)
- Yellow (97%)
- Blue (100%)



- Cyan (54%)
- Magenta (0%)
- Yellow (51%)
- Black (0%)





- Cyan (54%)
- Magenta (0%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.7978, 76.7826, 31.7561 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 46.7978, 76.7826, 31.7561 by changing the saturation by 10% instead.


 46.7978, 76.7826,
31.7561

 46.7978, 76.7826,
31.7561


364.6693,
484.0225, 324.4651


 33.0831, 57.0745,
20.9120


 84.6323, 128.8326,
63.5220

 22.3497, 41.0650,
12.8691


 109.4828,
161.9432, 85.2809

 14.2321, 28.3699,
7.2088


 138.7760,
200.2900, 111.5151

 8.3650, 18.6047,
3.5126

172.8772,
244.2576, 142.6432

 4.3832, 11.3850,
1.3620

212.1518,
294.2302, 179.0837

 1.9211, 6.3264,
0.1118


256.9651,


 0.5891, 3.0446,


350.5923, 221.2551


0.0000


307.6824,
413.7283, 269.5761

 0.0000, 1.1550,
0.0000


 0.0000, 0.0245,
0.0000


 46.7978, 76.7826,
31.7561


 46.7978, 76.7826,
31.7561


 42.4720, 74.7089,
24.4892


 52.4283, 79.4859,
41.0233


 39.3450, 73.2136,
19.0719


 59.4559, 82.8639,
52.4192


 37.2959, 72.2377,
15.3385

 67.9660, 86.9577,
66.0661

 36.1778, 71.7099,
13.0918

 78.0367, 91.8054,
82.0757

 35.8447, 71.5539,
12.3661

 89.7405, 97.4421,
100.5525

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.



59.8323, 76.7826, 17.0901



46.7978, 76.7826, 31.7561



41.0716, 76.7826, 67.9539

Triad

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



46.7978, 76.7826, 31.7561



67.2885, 76.7826, 247.5379



115.2052, 76.7826, 49.5224

Complementary

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



46.7978, 76.7826, 31.7561



64.3895, 40.6980, 92.4553

Split Complementary

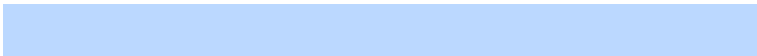
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



118.2028, 76.7826, 101.4875



46.7978, 76.7826, 31.7561



87.9241, 76.7826, 234.8175

Square

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



46.7978, 76.7826, 31.7561



51.3940, 76.7826, 203.0413



107.4601, 76.7826, 173.6019



99.8937, 76.7826, 23.5830

Rectangle

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



46.7978, 76.7826, 31.7561



41.2785, 76.7826, 107.1929



107.4601, 76.7826, 173.6019



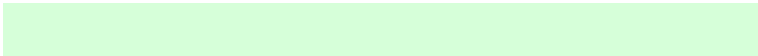
117.7853, 76.7826, 63.7562

Sweetspot

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



46.7982, 76.7827, 31.7573



76.0180, 90.8335, 78.8761



77.7178, 92.7791, 30.6419



15.8126, 19.2214, 16.1552



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.



46.7982, 76.7827, 31.7573



42.1494, 74.5545, 23.9388



52.7108, 79.1478, 62.8928



17.8143, 20.1852, 19.3249



18.7463, 37.3951, 6.5493



1.8396, 3.6468, 0.7131

Inverse Universe

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



64.3895, 40.6980, 92.4553



61.3739, 35.0627, 90.2300



55.7483, 37.2415, 46.9512



18.7445, 18.2811, 22.5376



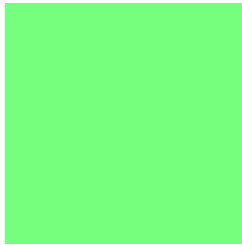
29.8032, 14.4106, 44.4758



2.9151, 1.4084, 4.4005

Previews

White Background



This preview shows how the XYZ color 46.7978, 76.7826, 31.7561 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 46.7978, 76.7826, 31.7561 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

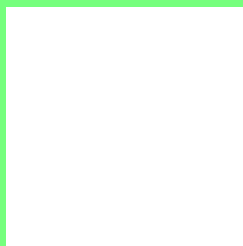
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.7978, 76.7826, 31.7561

Background



This preview shows how black text looks on a background with the XYZ color 46.7978, 76.7826, 31.7561.



This preview shows how white text looks on a background with the XYZ color 46.7978, 76.7826,

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

46.7978, 76.7826, 31.7561

Protanopia

69.0866, 75.2280, 27.0988

Deuteranopia

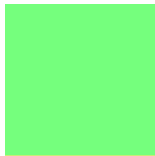
74.7082, 75.1777, 53.2210



Tritanopia

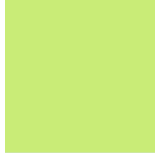
63.5248, 76.0505, 105.9388

Trichromacy



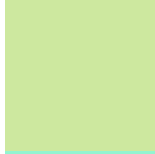
Original Color

46.7978, 76.7826, 31.7561



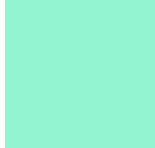
Protanomaly

57.4126, 73.7403, 28.6601



Deuteranomaly

60.2915, 73.1956, 43.7513



Tritanomaly

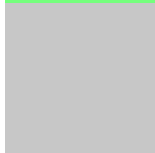
55.5899, 75.3664, 71.2918

Monochromacy



Original Color

46.7978, 76.7826, 31.7561



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

49.1401, 62.0766, 48.4218

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7978, 76.7826, 31.7561 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(117, 255, 125)` looks like.

```
.text, #text, p{  
    color:rgb(117, 255, 125)  
}
```

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(117, 255, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 255, 125) }
```

Border

The CSS property to change the border of an element to XYZ 46.7978, 76.7826, 31.7561 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(117, 255, 125) }
```


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

```
.border{ border-color:rgb(117, 255, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 255, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 255, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 255, 125);  
box-shadow:4px 4px 4px 4px rgb(117, 255,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7978, 76.7826, 31.7561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 255, 125) }
```

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

```
.background{ background-color: rgb(117,  
255, 125) }
```

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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