

Converting Colors

XYZ(46.1086, 76.2924, 37.8169)

Have a look what the booklet for
XYZ(46.1086, 76.2924, 37.8169)
contains.

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Color

**XYZ(46.1220, 76.2978,
37.8873)**

Conversions

Conversions Part 1

Format	Color
Hex	66FF8E
RGB	102, 255, 142
RGB Percent	40%, 100%, 56%
CMY	0.6000, 0.0000, 0.4431
CMYK	0.60, 0.00, 0.44, 0.00
HSL	136°, 100%, 70%
HSV	136°, 60%, 100%
XYZ	46.1220, 76.2978, 37.8873
YIQ	196.3710, -54.9150, -67.5790

Conversions

Conversions Part 2

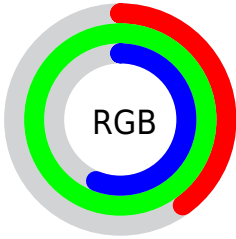
Format	Color
RYB	102, 223, 255
Decimal	6750094
CIELab	90.00, -63.98, 42.08
CIElCh	90, 76.575, 146.664
Yxy	76.2978, 0.2877, 0.4759
Android (android.graphics.Color)	4284940174 (0xFF66FF8E)
YUV	196.3710, -26.8049, -82.7634
Hunter-Lab	87.3486, -58.6081, 35.4271

Details

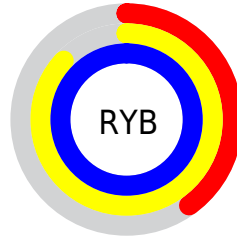
The XYZ color **46.1220, 76.2978, 37.8873** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **58.2571, 35.6694, 68.1035**, and the grayscale version is **52.8719, 55.6253, 60.5760**.

A 20% lighter version of the original color is **61.3551, 83.5506, 65.7164**, and **21.9497, 40.7418, 16.3800** is the 20% darker color. If you saturate the color by 10%, you get **42.3663, 74.5115, 30.9440**, and if you desaturate by 10%, it is **51.0059, 78.6381, 46.1329**.

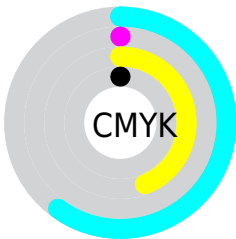
Distribution



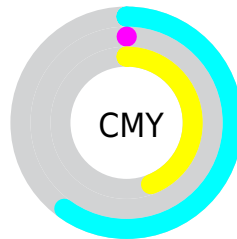
- Red (40%)
- Green (100%)
- Blue (56%)



- Red (40%)
- Yellow (87%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (44%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.1220, 76.2978, 37.8873 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 46.1220, 76.2978, 37.8873 by changing the saturation by 10% instead.


 46.1220, 76.2978,
37.8873

 46.1220, 76.2978,
37.8873


362.0066,
482.3665, 352.4200


 32.5471, 56.6767,
25.5941


 83.6283, 128.1478,
73.1369

 21.9373, 40.7458,
16.2972


 108.2904,
161.1455, 96.9303

 13.9272, 28.1205,
9.5781

 137.3791,
199.3708, 125.3942

 8.1514, 18.4165,
5.0182

171.2595,
243.2083, 158.9472

 4.2446, 11.2494,
2.1990

210.2971,
293.0422, 198.0077

 1.8414, 6.2349,
0.6738


254.8573,

 0.5424, 2.9884,


349.2569, 242.9943


0.0000

305.3053,
412.2369, 294.3255


 0.0000, 1.1257,
0.0000


 0.0000, 0.0000,
0.0000


 46.1220, 76.2978,
37.8873


 46.1220, 76.2978,
37.8873

 42.3663, 74.5115,
30.9440


 51.0059, 78.6381,
46.1329


 39.6412, 73.2302,
25.2322

 57.1018, 81.5743,
55.7394

 37.8332, 72.3970,
20.6797

 64.4866, 85.1449,
66.7662

 36.7633, 71.9213,
17.2032

 73.2304, 89.3849,
79.2679

■ 36.7632, 71.9213,
17.2030

■ 83.3983, 94.3266,
93.2965

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.



57.3558, 76.2978, 20.3359



46.1220, 76.2978, 37.8873



41.8685, 76.2978, 77.1449

Triad

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



46.1220, 76.2978, 37.8873



70.4173, 76.2978, 237.0132



110.2284, 76.2978, 44.4726

Complementary

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



46.1220, 76.2978, 37.8873



58.2571, 35.6694, 68.1035

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.



115.3502, 76.2978, 89.3022



46.1220, 76.2978, 37.8873



90.1431, 76.2978, 215.7032

Square

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



46.1220, 76.2978, 37.8873



54.2694, 76.2978, 204.4247



107.4468, 76.2978, 154.6926



94.4594, 76.2978, 22.8080

Rectangle

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



46.1220, 76.2978, 37.8873



42.8957, 76.2978, 116.7620



107.4468, 76.2978, 154.6926



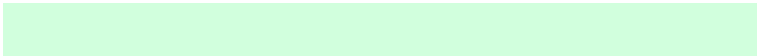
113.3594, 76.2978, 56.5844

Sweetspot

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



46.1224, 76.2980, 37.8885



75.1473, 90.3157, 81.9489



66.6995, 87.1929, 25.8853



15.4915, 19.0433, 16.7095



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.



46.1224, 76.2980, 37.8885



41.7420, 74.2164, 29.7048



53.7317, 79.3417, 77.9581



17.9665, 20.2461, 20.1265



19.2611, 37.6011, 9.2604



1.9179, 3.6781, 1.1256

Inverse Universe

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



58.2571, 35.6694, 68.1035



54.7810, 30.3224, 61.9956



50.7438, 32.6640, 28.5386



18.5780, 18.2145, 21.6606



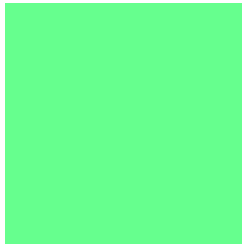
26.3750, 13.0393, 26.4228



2.6129, 1.2875, 2.8089

Previews

White Background



This preview shows how the XYZ color 46.1220, 76.2978, 37.8873 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 46.1220, 76.2978, 37.8873 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

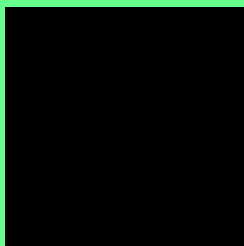
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

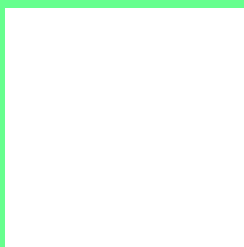
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.1220, 76.2978, 37.8873

Background



This preview shows how black text looks on a background with the XYZ color 46.1220, 76.2978, 37.8873.



This preview shows how white text looks on a background with the XYZ color 46.1220, 76.2978,

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

46.1220, 76.2978, 37.8873

Protanopia

69.0280, 75.0820, 32.3268

Deuteranopia

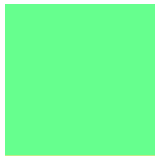
74.5496, 74.6981, 53.6690



Tritanopia

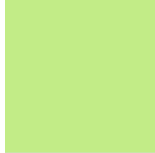
62.4341, 75.9216, 105.9714

Trichromacy



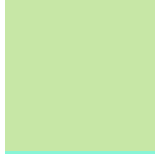
Original Color

46.1220, 76.2978, 37.8873



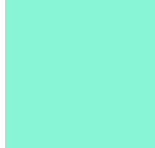
Protanomaly

56.6168, 73.2095, 34.0685



Deuteranomaly

59.0120, 72.0471, 46.8726



Tritanomaly

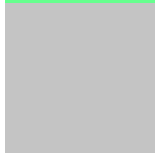
54.9433, 75.3941, 75.2750

Monochromacy



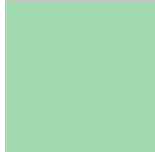
Original Color

46.1220, 76.2978, 37.8873



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

47.5496, 60.4417, 50.2346

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1220, 76.2978, 37.8873 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(102, 255, 142)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 142)  
}
```

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(102, 255, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 142) }
```

Border

The CSS property to change the border of an element to XYZ 46.1220, 76.2978, 37.8873 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(102, 255, 142) }
```


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

```
.border{ border-color:rgb(102, 255, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 255, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 142);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1220, 76.2978, 37.8873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 255, 142) }
```

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

```
.background{ background-color: rgb(102,  
255, 142) }
```

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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