

Converting Colors

XYZ(47.3103, 78.4196, 37.2896)

Have a look what the booklet for
XYZ(47.3103, 78.4196, 37.2896)
contains.

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Color

**XYZ(46.3193, 76.4167,
37.1196)**

Conversions

Conversions Part 1

Format	Color
Hex	69FF8C
RGB	105, 255, 140
RGB Percent	41%, 100%, 55%
CMY	0.5882, 0.0000, 0.4510
CMYK	0.59, 0.00, 0.45, 0.00
HSL	134°, 100%, 71%
HSV	134°, 59%, 100%
XYZ	46.3193, 76.4167, 37.1196
YIQ	197.0400, -52.4850, -67.5650

Conversions

Conversions Part 2

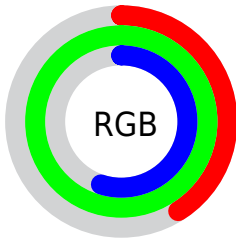
Format	Color
RYB	105, 227, 255
Decimal	6946700
CIELab	90.05, -63.65, 43.13
CIElCh	90, 76.891, 145.877
Yxy	76.4167, 0.2898, 0.4780
Android (android.graphics.Color)	4285136780 (0xFF69FF8C)
YUV	197.0400, -28.1207, -80.7191
Hunter-Lab	87.4166, -58.3977, 36.0154

Details

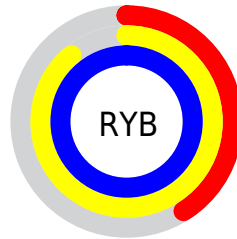
The XYZ color **46.3193, 76.4167, 37.1196** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **59.2097, 36.5307, 71.6393**, and the grayscale version is **53.2822, 56.0571, 61.0461**.

A 20% lighter version of the original color is **61.5467, 83.6756, 64.5369**, and **22.0586, 40.8077, 15.9466** is the 20% darker color. If you saturate the color by 10%, you get **42.4441, 74.5710, 30.0706**, and if you desaturate by 10%, it is **51.3491, 78.8280, 45.5620**.

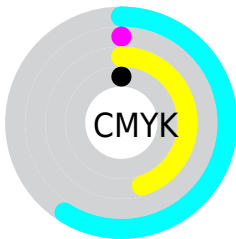
Distribution



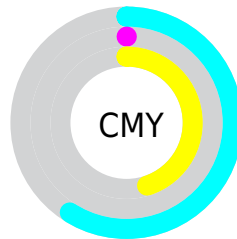
- Red (41%)
- Green (100%)
- Blue (55%)



- Red (41%)
- Yellow (89%)
- Blue (100%)



- Cyan (59%)
- Magenta (0%)
- Yellow (45%)
- Black (0%)





- Cyan (59%)
- Magenta (0%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.3193, 76.4167, 37.1196 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 46.3193, 76.4167, 37.1196 by changing the saturation by 10% instead.


 46.3193, 76.4167,
37.1196

 46.3193, 76.4167,
37.1196


362.7853,
482.7729, 349.0123


 32.7035, 56.7743,
25.0036


 83.9216, 128.3158,
71.9451

 22.0576, 40.8240,
15.8607


 108.6389,
161.3412, 95.4916

 14.0161, 28.1816,
9.2723


 137.7873,
199.5964, 123.6854

 8.2136, 18.4626,
4.8200

171.7324,
243.4658, 156.9450

 4.2849, 11.2826,
2.0852

210.8393,
293.3337, 195.6890

 1.8645, 6.2573,
0.6069

255.4736,

 0.5561, 3.0021,

349.5846, 240.3358

0.0000

306.0004,
412.6029, 291.3041

0.0000, 1.1328,
0.0000

0.0000, 0.0058,
0.0000

46.3193, 76.4167,
37.1196

46.3193, 76.4167,
37.1196

42.4441, 74.5710,
30.0706

51.3491, 78.8280,
45.5620

39.6257, 73.2420,
24.3359


57.6176, 81.8469,
55.4635


37.7512, 72.3734,
19.8342

65.2023, 85.5119,
66.8902

36.6617, 71.8850,
16.4723

74.1738, 89.8581,
79.9032

 36.5625, 71.8410,
16.1462

 84.5978, 94.9183,
94.5599

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.



57.7812, 76.4167, 19.9886



46.3193, 76.4167, 37.1196



41.8654, 76.4167, 75.8838

Triad

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



46.3193, 76.4167, 37.1196



70.0284, 76.4167, 237.9514



110.8507, 76.4167, 45.2865

Complementary

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



46.3193, 76.4167, 37.1196



59.2097, 36.5307, 71.6393

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.



115.6644, 76.4167, 90.9822



46.3193, 76.4167, 37.1196



89.8310, 76.4167, 217.8858

Square

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



46.3193, 76.4167, 37.1196



53.9504, 76.4167, 203.8601



107.3942, 76.4167, 157.0709



95.1932, 76.4167, 23.0492

Rectangle

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



46.3193, 76.4167, 37.1196



42.7746, 76.4167, 115.3512



107.3942, 76.4167, 157.0709



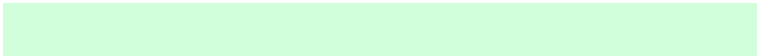
113.8962, 76.4167, 57.6655

Sweetspot

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



46.3197, 76.4169, 37.1208



74.9760, 90.2472, 81.0465



67.8252, 87.7556, 26.7288



15.4503, 19.0268, 16.4926



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.



46.3197, 76.4169, 37.1208



41.7441, 74.2394, 28.7128



53.8517, 79.4297, 76.7834



17.9452, 20.2376, 20.0145



19.1519, 37.5573, 8.6851



1.9047, 3.6728, 1.0558

Inverse Universe

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



59.2097, 36.5307, 71.6393



55.6643, 30.9424, 65.8248



51.4026, 33.4078, 30.5276



18.6007, 18.2236, 21.7804



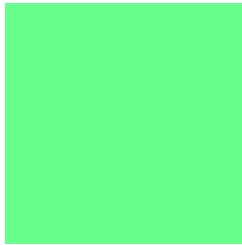
26.7856, 13.2036, 28.5854



2.6499, 1.3023, 3.0035

Previews

White Background



This preview shows how the XYZ color 46.3193, 76.4167, 37.1196 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 46.3193, 76.4167, 37.1196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

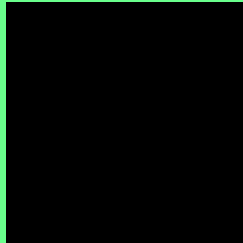
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.3193, 76.4167, 37.1196

Background



This preview shows how black text looks on a background with the XYZ color 46.3193, 76.4167, 37.1196.

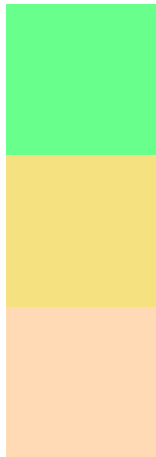


This preview shows how white text looks on a background with the XYZ color 46.3193, 76.4167,

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

46.3193, 76.4167, 37.1196

Protanopia

68.8937, 75.0282, 31.6197

Deuteranopia

74.5496, 74.6981, 53.6690



Tritanopia

62.8211, 76.1211, 105.9896

Trichromacy



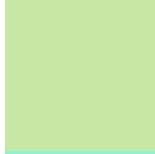
Original Color

46.3193, 76.4167, 37.1196



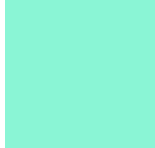
Protanomaly

56.7348, 73.2865, 33.3458



Deuteranomaly

59.1869, 72.1478, 46.4037



Tritanomaly

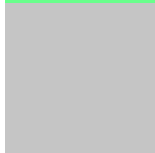
55.1439, 75.5122, 74.6197

Monochromacy



Original Color

46.3193, 76.4167, 37.1196



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

48.2177, 61.1699, 50.3399

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3193, 76.4167, 37.1196 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(105, 255, 140)` looks like.

```
.text, #text, p{  
    color:rgb(105, 255, 140)  
}
```

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(105, 255, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 255, 140) }
```

Border

The CSS property to change the border of an element to XYZ 46.3193, 76.4167, 37.1196 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(105, 255, 140) }
```


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

```
.border{ border-color:rgb(105, 255, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 255, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 255, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 255, 140);  
box-shadow:4px 4px 4px 4px rgb(105, 255,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3193, 76.4167, 37.1196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 255, 140) }
```

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

```
.background{ background-color: rgb(105,  
255, 140) }
```

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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