

Converting Colors

XYZ(46.7877, 68.0783, 36.1166)

Have a look what the booklet for
XYZ(46.7877, 68.0783, 36.1166)
contains.

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Color

**XYZ(46.9106, 68.1469,
36.2724)**

Conversions

Conversions Part 1

Format	Color
Hex	93EC8E
RGB	147, 236, 142
RGB Percent	58%, 93%, 56%
CMY	0.4235, 0.0745, 0.4431
CMYK	0.38, 0.00, 0.40, 0.07
HSL	117°, 71%, 74%
HSV	117°, 40%, 93%
XYZ	46.9106, 68.1469, 36.2724
YIQ	198.6730, -22.8700, -48.1020

Conversions

Conversions Part 2

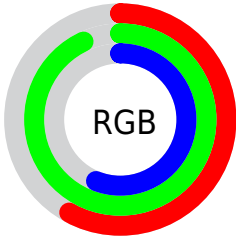
Format	Color
RYB	142, 236, 231
Decimal	9694350
CIELab	86.08, -44.86, 37.36
CIELCh	86, 58.379, 140.217
Yxy	68.1469, 0.3100, 0.4503
Android (android.graphics.Color)	4287884430 (0xFF93EC8E)
YUV	198.6730, -27.9398, -45.3172
Hunter-Lab	82.5511, -43.0299, 31.7342

Details

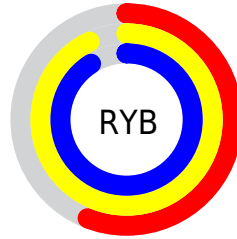
The XYZ color **46.9106, 68.1469, 36.2724** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **57.7713, 42.3931, 84.4982**, and the grayscale version is **54.2630, 57.0889, 62.1698**.

A 20% lighter version of the original color is **70.7399, 88.3886, 66.1556**, and **22.4811, 35.6048, 15.3604** is the 20% darker color. If you saturate the color by 10%, you get **41.6980, 65.6452, 27.7382**, and if you desaturate by 10%, it is **53.2800, 71.2056, 46.8217**.

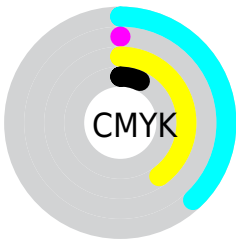
Distribution



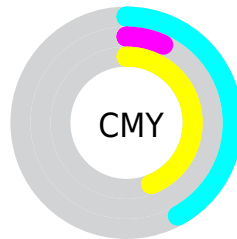
- Red (58%)
- Green (93%)
- Blue (56%)



- Red (56%)
- Yellow (93%)
- Blue (91%)



- Cyan (38%)
- Magenta (0%)
- Yellow (40%)
- Black (7%)



- Cyan (42%)
- Magenta (7%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.9106, 68.1469, 36.2724 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 46.9106, 68.1469, 36.2724 by changing the saturation by 10% instead.

46.9106, 68.1469,
36.2724

46.9106, 68.1469,
36.2724

365.1124,
454.0163, 345.2229

33.1726, 50.0173,
24.3533

84.7997, 116.5623,
70.6261

22.4186, 35.4271,
15.3813

109.6816,
147.6168, 93.8977

14.2831, 23.9921,
8.9378

139.0088,
183.7484, 121.7906

8.4009, 15.3277,
4.6044

173.1467,
225.3414, 154.7233

4.4065, 9.0497,
1.9624

212.4607,
272.7804, 193.1144

1.9346, 4.7736,
0.5320


257.3160,

0.5968, 2.1151,


326.4496, 237.3823


0.0000


308.0782,
386.7334, 287.9456


 0.0000, 0.6731,
0.0000


 0.0000, 0.0000,
0.0000


 46.9106, 68.1469,
36.2724


 46.9106, 68.1469,
36.2724


 41.6980, 65.6452,
27.7382


 53.2800, 71.2056,
46.8217


 37.5681, 63.6591,
21.0867

 60.8646, 74.8428,
59.4983

 34.4459, 62.1550,
16.1768

 69.7247, 79.0895,
74.4114

 32.2449, 61.0918,
12.8457

 79.9154, 83.9717,
91.6615

■ 30.8641, 60.4216,
10.9000

■ 89.2868, 88.4735,
106.9789

■ 30.1639, 60.0794,
10.0182

■ 30.1562, 60.0757,
10.0064

Harmonies

Analogous

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



56.2643, 68.1469, 24.2420



46.9106, 68.1469, 36.2724



42.5421, 68.1469, 62.3482

Triad

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



46.9106, 68.1469, 36.2724



60.4889, 68.1469, 173.3387



92.1019, 68.1469, 51.4973

Complementary

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



46.9106, 68.1469, 36.2724



57.7713, 42.3931, 84.4982

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.



93.6449, 68.1469, 87.4668



46.9106, 68.1469, 36.2724



74.0958, 68.1469, 167.2917

Square

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



46.9106, 68.1469, 36.2724



49.6354, 68.1469, 146.6340



86.6727, 68.1469, 132.1842



82.7089, 68.1469, 30.6936

Rectangle

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



46.9106, 68.1469, 36.2724



42.5677, 68.1469, 88.0830



86.6727, 68.1469, 132.1842



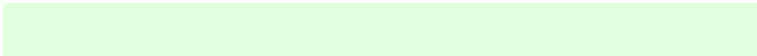
93.6015, 68.1469, 61.8589

Sweetspot

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



46.9123, 68.1498, 36.2739



80.6414, 93.0967, 84.5250



67.7002, 76.2345, 36.7388



16.9548, 19.7800, 17.5764



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.



46.9123, 68.1498, 36.2739



50.6317, 78.7008, 34.5679



49.6724, 69.1525, 55.3860



14.9424, 16.9003, 15.9933



16.6546, 33.1302, 5.5170



1.3340, 2.6150, 0.4344

Inverse Universe

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



57.7713, 42.3931, 84.4982



65.2686, 43.9321, 99.6474



54.1479, 41.1328, 56.8757



15.6311, 15.2706, 19.0459



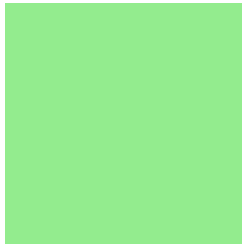
25.2324, 12.0437, 44.7377



2.0056, 0.9582, 3.5141

Previews

White Background



This preview shows how the XYZ color 46.9106, 68.1469, 36.2724 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 46.9106, 68.1469, 36.2724 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 46.9106, 68.1469, 36.2724

Background



This preview shows how black text looks on a background with the XYZ color 46.9106, 68.1469, 36.2724.



This preview shows how white text looks on a background with the XYZ color 46.9106, 68.1469,

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

46.9106, 68.1469, 36.2724

Protanopia

62.2119, 67.2790, 31.8975

Deuteranopia

68.5763, 67.1247, 38.1962



Tritanopia

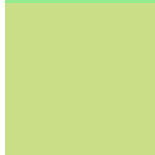
58.4086, 67.8291, 94.0183

Trichromacy



Original Color

46.9106, 68.1469, 36.2724



Protanomaly

54.9223, 66.5767, 33.2484



Deuteranomaly

58.1412, 65.8172, 37.2434



Tritanomaly

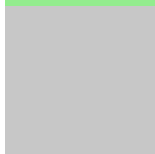
53.1821, 67.3140, 68.5824

Monochromacy



Original Color

46.9106, 68.1469, 36.2724



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

50.4018, 60.0046, 51.0451

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9106, 68.1469, 36.2724 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(147, 236, 142)` looks like.

```
.text, #text, p{  
    color:rgb(147, 236, 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(147, 236, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 236, 142) }
```

Border

The CSS property to change the border of an element to XYZ 46.9106, 68.1469, 36.2724 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(147, 236, 142) }
```


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

```
.border{ border-color:rgb(147, 236, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 236, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(147, 236, 142); -webkit-box-shadow:4px 4px 4px 4px rgb(147, 236, 142); box-shadow:4px 4px 4px 4px rgb(147, 236, 142) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9106, 68.1469, 36.2724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 236, 142) }
```

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

```
.background{ background-color: rgb(147,  
236, 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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