

Converting Colors

XYZ(46.1152, 68.3382, 28.5302)

Have a look what the booklet for
XYZ(46.1152, 68.3382, 28.5302)
contains.

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Color

**XYZ(46.0688, 68.3140,
28.5271)**

Conversions

Conversions Part 1

Format	Color
Hex	95ED78
RGB	149, 237, 120
RGB Percent	58%, 93%, 47%
CMY	0.4157, 0.0706, 0.5294
CMYK	0.37, 0.00, 0.49, 0.07
HSL	105°, 76%, 70%
HSV	105°, 49%, 93%
XYZ	46.0688, 68.3140, 28.5271
YIQ	197.3500, -14.8910, -55.0430

Conversions

Conversions Part 2

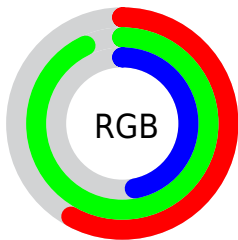
Format	Color
RYB	120, 237, 208
Decimal	9825656
CIELab	86.16, -47.60, 48.17
CIELCh	86, 67.719, 134.660
Yxy	68.3140, 0.3224, 0.4780
Android (android.graphics.Color)	4288015736 (0xFF95ED78)
YUV	197.3500, -38.1335, -42.4029
Hunter-Lab	82.6523, -45.1490, 37.3929

Details

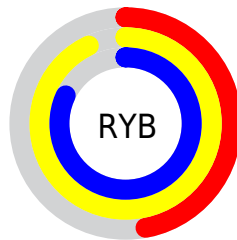
The XYZ color **46.0688, 68.3140, 28.5271** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **48.0181, 32.9593, 83.9554**, and the grayscale version is **53.5140, 56.3009, 61.3116**.

A 20% lighter version of the original color is **69.1321, 87.8414, 53.3558**, and **21.7783, 35.3352, 11.1414** is the 20% darker color. If you saturate the color by 10%, you get **41.7979, 66.2605, 21.7261**, and if you desaturate by 10%, it is **51.1969, 70.7724, 37.2290**.

Distribution



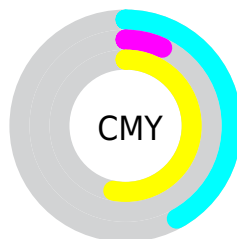
- Red (58%)
- Green (93%)
- Blue (47%)



- Red (47%)
- Yellow (93%)
- Blue (82%)



- Cyan (37%)
- Magenta (0%)
- Yellow (49%)
- Black (7%)





- Cyan (42%)
- Magenta (7%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.0688, 68.3140, 28.5271 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 46.0688, 68.3140, 28.5271 by changing the saturation by 10% instead.


 46.0688, 68.3140,
28.5271


 46.0688, 68.3140,
28.5271


361.7965,
454.6077, 308.9679


 32.5050, 50.1532,
18.4809


 83.5492, 116.8012,
58.3581

 21.9049, 35.5352,
11.1228

 108.1965,
147.8965, 78.9799

 13.9033, 24.0754,
6.0343


 137.2689,
184.0720, 103.9640

 8.1347, 15.3896,
2.7968

171.1319,
225.7122, 133.7290

 4.2338, 9.0933,
0.9918

210.1508,
273.2015, 168.6933

 1.8352, 4.8021,
0.0000

254.6910,

 0.5388, 2.1316,

326.9243, 209.2756

0.0000

305.1177,
387.2649, 255.8942

0.0000, 0.6823,
0.0000

0.0000, 0.0000,
0.0000

46.0688, 68.3140,
28.5271

46.0688, 68.3140,
28.5271

41.7979, 66.2605,
21.7261

51.1969, 70.7724,
37.2290

38.3299, 64.5807,
16.6795


57.2222, 73.6474,
47.9548


35.6115, 63.2530,
13.2270


64.1884, 76.9610,
60.8224

33.5801, 62.2490,
11.1765

72.1345, 80.7310,
75.9395

 32.1493, 61.5310,
10.2253

 81.0974, 84.9742,
93.4062

 32.0738, 61.4930,
10.1789

 89.5756, 89.0512,
107.0752

Harmonies

Analogous

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



57.6403, 68.3140, 18.4282



46.0688, 68.3140, 28.5271



40.1148, 68.3140, 53.9176

Triad

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



46.0688, 68.3140, 28.5271



57.3241, 68.3140, 191.5799



98.4355, 68.3140, 54.7141

Complementary

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



46.0688, 68.3140, 28.5271



48.0181, 32.9593, 83.9554

Split Complementary

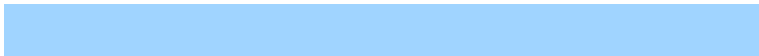
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



98.3143, 68.3140, 99.4633



46.0688, 68.3140, 28.5271



72.8106, 68.3140, 192.0748

Square

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



46.0688, 68.3140, 28.5271



45.8694, 68.3140, 152.4472



88.3439, 68.3140, 153.6103



88.6526, 68.3140, 28.9084

Rectangle

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



46.0688, 68.3140, 28.5271



39.4166, 68.3140, 81.5727



88.3439, 68.3140, 153.6103



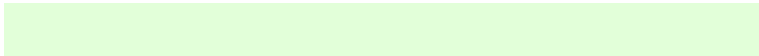
99.5964, 68.3140, 67.6274

Sweetspot

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



46.0705, 68.3169, 28.5286



79.6880, 92.7227, 79.1725



60.8130, 64.3536, 26.9866



16.6409, 19.6492, 16.1593



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.



46.0705, 68.3169, 28.5286



49.4142, 78.2671, 25.7463



43.4768, 66.7425, 39.1311



15.2180, 17.0424, 16.0062



17.6106, 33.6231, 5.5617



1.4683, 2.6843, 0.4407

Inverse Universe

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



48.0181, 32.9593, 83.9554



51.8835, 32.0929, 98.0677



52.9985, 35.9810, 63.6679



15.3290, 15.1149, 19.0318



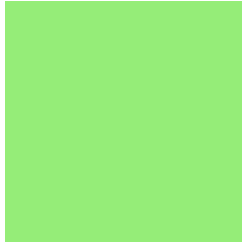
18.5280, 8.5875, 44.4240



1.5413, 0.7188, 3.4924

Previews

White Background



This preview shows how the XYZ color 46.0688, 68.3140, 28.5271 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 46.0688, 68.3140, 28.5271 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

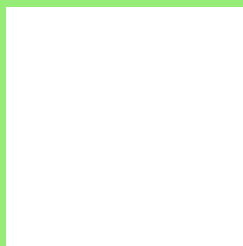
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.0688, 68.3140, 28.5271

Background



This preview shows how black text looks on a background with the XYZ color 46.0688, 68.3140, 28.5271.



This preview shows how white text looks on a background with the XYZ color 46.0688, 68.3140,

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

46.0688, 68.3140, 28.5271

Protanopia

61.8171, 67.6036, 25.1199

Deuteranopia

68.1938, 67.3556, 34.9979



Tritanopia

59.1104, 68.2082, 93.2691

Trichromacy



Original Color

46.0688, 68.3140, 28.5271



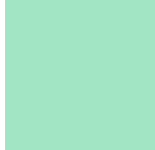
Protanomaly

54.3840, 66.8505, 26.2568



Deuteranomaly

57.4348, 65.9459, 32.2559



Tritanomaly

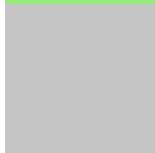
52.9976, 67.7512, 63.1073

Monochromacy



Original Color

46.0688, 68.3140, 28.5271



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

49.5273, 59.6548, 46.4403

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0688, 68.3140, 28.5271 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(149, 237, 120)` looks like.

```
.text, #text, p{  
    color:rgb(149, 237, 120)  
}
```

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(149, 237, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 237, 120) }
```

Border

The CSS property to change the border of an element to XYZ 46.0688, 68.3140, 28.5271 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(149, 237, 120) }
```


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

```
.border{ border-color:rgb(149, 237, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 237, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(149, 237, 120); -webkit-box-shadow:4px 4px 4px 4px rgb(149, 237, 120); box-shadow:4px 4px 4px 4px rgb(149, 237, 120) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0688, 68.3140, 28.5271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 237, 120) }
```

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

```
.background{ background-color: rgb(149,  
237, 120) }
```

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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