

Converting Colors

XYZ(47.3861, 68.2103, 44.5935)

Have a look what the booklet for
XYZ(47.3861, 68.2103, 44.5935)
contains.

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Color

**XYZ(47.4130, 68.2268,
44.3884)**

Conversions

Conversions Part 1

Format	Color
Hex	8DECA1
RGB	141, 236, 161
RGB Percent	55%, 93%, 63%
CMY	0.4471, 0.0745, 0.3686
CMYK	0.40, 0.00, 0.32, 0.07
HSL	133°, 71%, 74%
HSV	133°, 40%, 93%
XYZ	47.4130, 68.2268, 44.3884
YIQ	199.0450, -32.5450, -43.4650

Conversions

Conversions Part 2

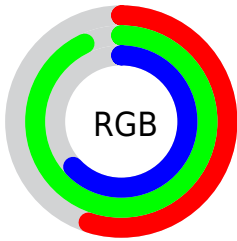
Format	Color
RYB	141, 219, 236
Decimal	9301153
CIELab	86.12, -43.63, 27.77
CIELCh	86, 51.718, 147.522
Yxy	68.2268, 0.2963, 0.4263
Android (android.graphics.Color)	4287491233 (0xFF8DECA1)
YUV	199.0450, -18.7562, -50.9055
Hunter-Lab	82.5995, -42.0883, 25.9576

Details

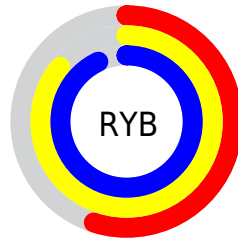
The XYZ color **47.4130, 68.2268, 44.3884** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **56.5138, 41.8420, 70.0660**, and the grayscale version is **54.4405, 57.2757, 62.3732**.

A 20% lighter version of the original color is **71.4434, 88.4836, 78.2793**, and **22.8279, 35.6779, 20.1514** is the 20% darker color. If you saturate the color by 10%, you get **42.2972, 65.7674, 36.2023**, and if you desaturate by 10%, it is **53.6322, 71.2306, 53.9071**.

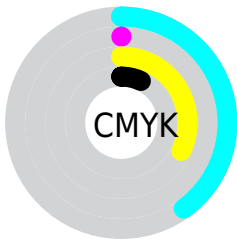
Distribution



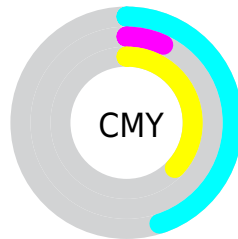
- Red (55%)
- Green (93%)
- Blue (63%)



- Red (55%)
- Yellow (86%)
- Blue (93%)



- Cyan (40%)
- Magenta (0%)
- Yellow (32%)
- Black (7%)





- Cyan (45%)
- Magenta (7%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.4130, 68.2268, 44.3884 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 47.4130, 68.2268, 44.3884 by changing the saturation by 10% instead.


 47.4130, 68.2268,
44.3884


 47.4130, 68.2268,
44.3884


367.0821,
454.2992, 380.3785

 33.5716, 50.0823,
30.6365


 85.5448, 116.6765,
83.1106

 22.7260, 35.4788,
20.0661


 110.5658,
147.7505, 108.9180

 14.5109, 24.0319,
12.2585


140.0442,
183.9031, 139.5809

 8.5609, 15.3573,
6.7953

174.3451,
225.5188, 175.5180

 4.5107, 9.0705,
3.2579

213.8340,
272.9818, 217.1478

 1.9949, 4.7872,
1.2278

258.8762,

 0.6311, 2.1230,

326.6766, 264.8888

0.0015

309.8371,
386.9876, 319.1595

■ 0.0000, 0.6775,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.4130, 68.2268,
44.3884

■ 47.4130, 68.2268,
44.3884

■ 42.2972, 65.7674,
36.2023

■ 53.6322, 71.2306,
53.9071

■ 38.2140, 63.8113,
29.2849


■ 61.0095, 74.8001,
64.8095


■ 35.0923, 62.3251,
23.5738


■ 69.6025, 78.9657,
77.1496


■ 32.8496, 61.2679,
18.9993

■ 79.4632, 83.7533,
90.9772

 31.3887, 60.5911,
15.4846

 89.1521, 88.4196,
106.2698

 30.5657, 60.2211,
12.9950

 89.2867, 88.4735,
106.9789

Harmonies

Analogous

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



54.8484, 68.2268, 30.0426



47.4130, 68.2268, 44.3884



44.5870, 68.2268, 71.4927

Triad

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



47.4130, 68.2268, 44.3884



63.8642, 68.2268, 160.7590



87.3040, 68.2268, 47.9580

Complementary

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



47.4130, 68.2268, 44.3884



56.5138, 41.8420, 70.0660

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.



90.4693, 68.2268, 77.1540



47.4130, 68.2268, 44.3884



75.9936, 68.2268, 148.7780

Square

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



47.4130, 68.2268, 44.3884



53.3316, 68.2268, 144.3259



86.1046, 68.2268, 115.2754



77.9123, 68.2268, 31.6173

Rectangle

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



47.4130, 68.2268, 44.3884



45.4014, 68.2268, 95.7905



86.1046, 68.2268, 115.2754



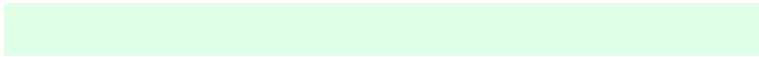
89.1781, 68.2268, 56.2702

Sweetspot

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



47.4148, 68.2296, 44.3899



81.0261, 93.1919, 89.2018



63.4210, 76.6689, 36.6559



17.0447, 19.8023, 18.6673



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.



47.4148, 68.2296, 44.3899



51.5732, 78.9554, 45.0360



52.3057, 70.1860, 70.1453



14.9981, 16.9140, 16.6726



16.8858, 33.2088, 7.3635



1.3603, 2.6214, 0.7593

Inverse Universe

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



56.5138, 41.8420, 70.0660



63.7481, 43.5958, 79.3533



51.3274, 39.7674, 42.7546



15.5711, 15.2563, 18.2926



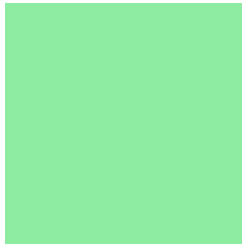
24.0207, 11.8110, 26.9741



1.9202, 0.9410, 2.2969

Previews

White Background



This preview shows how the XYZ color 47.4130, 68.2268, 44.3884 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 47.4130, 68.2268, 44.3884 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 47.4130, 68.2268, 44.3884

Background



This preview shows how black text looks on a background with the XYZ color 47.4130, 68.2268, 44.3884.



This preview shows how white text looks on a background with the XYZ color 47.4130, 68.2268,

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

47.4130, 68.2268, 44.3884

Protanopia

62.5875, 67.3164, 38.9728

Deuteranopia

68.9229, 67.4790, 46.4379



Tritanopia

57.8236, 68.2953, 95.7226

Trichromacy



Original Color

47.4130, 68.2268, 44.3884



Protanomaly

55.3264, 66.6149, 40.9523



Deuteranomaly

58.4684, 66.1912, 45.2919



Tritanomaly

53.3833, 68.1241, 73.9540

Monochromacy



Original Color

47.4130, 68.2268, 44.3884



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

50.6605, 60.0547, 54.8206

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4130, 68.2268, 44.3884 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(141, 236, 161)` looks like.

```
.text, #text, p{  
    color:rgb(141, 236, 161)  
}
```

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(141, 236, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 236, 161) }
```

Border

The CSS property to change the border of an element to XYZ 47.4130, 68.2268, 44.3884 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(141, 236, 161) }
```


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

```
.border{ border-color:rgb(141, 236, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 236, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 236, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 236, 161);  
box-shadow:4px 4px 4px 4px rgb(141, 236,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4130, 68.2268, 44.3884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 236, 161) }
```

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

```
.background{ background-color: rgb(141,  
236, 161) }
```

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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