

Converting Colors

XYZ(47.4912, 68.3410, 43.7643)

Have a look what the booklet for
XYZ(47.4912, 68.3410, 43.7643)
contains.

XYZ(47.4959, 68.2798, 43.9337)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(47.4959, 68.2798,
43.9337)**

Conversions

Conversions Part 1

Format	Color
Hex	8EECA0
RGB	142, 236, 160
RGB Percent	56%, 93%, 63%
CMY	0.4431, 0.0745, 0.3725
CMYK	0.40, 0.00, 0.32, 0.07
HSL	131°, 71%, 74%
HSV	131°, 40%, 93%
XYZ	47.4959, 68.2798, 43.9337
YIQ	199.2300, -31.6280, -43.5640

Conversions

Conversions Part 2

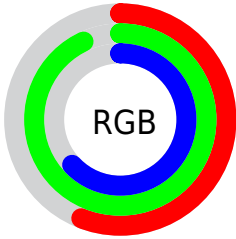
Format	Color
RYB	142, 221, 236
Decimal	9366688
CIELab	86.15, -43.51, 28.32
CIELCh	86, 51.919, 146.937
Yxy	68.2798, 0.2974, 0.4275
Android (android.graphics.Color)	4287556768 (0xFF8EECA0)
YUV	199.2300, -19.3404, -50.1907
Hunter-Lab	82.6316, -42.0051, 26.3187

Details

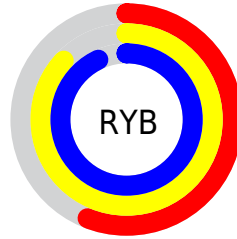
The XYZ color **47.4959, 68.2798, 43.9337** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **56.9221, 42.2421, 71.4854**, and the grayscale version is **54.5569, 57.3982, 62.5066**.

A 20% lighter version of the original color is **71.5789, 88.5684, 77.6128**, and **22.8658, 35.7037, 19.8737** is the 20% darker color. If you saturate the color by 10%, you get **42.3244, 65.7940, 35.6374**, and if you desaturate by 10%, it is **53.7844, 71.3157, 53.6226**.

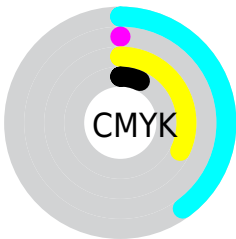
Distribution



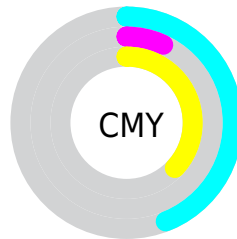
- Red (56%)
- Green (93%)
- Blue (63%)



- Red (56%)
- Yellow (87%)
- Blue (93%)



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





- Cyan (44%)
- Magenta (7%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.4959, 68.2798, 43.9337 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 47.4959, 68.2798, 43.9337 by changing the saturation by 10% instead.


 47.4959, 68.2798,
43.9337


 47.4959, 68.2798,
43.9337


367.4064,
454.4867, 378.4711

 33.6374, 50.1254,
30.2816


 85.6676, 116.7523,
82.4194

 22.7768, 35.5130,
19.7985


 110.7116,
147.8392, 108.0900

 14.5486, 24.0583,
12.0661

140.2148,
184.0058, 138.6039

 8.5874, 15.3769,
6.6656

174.5425,
225.6364, 174.3796

 4.5280, 9.0843,
3.1786

214.0602,
273.1153, 215.8356

 2.0050, 4.7962,
1.1865


259.1332,

 0.6367, 2.1282,


326.8271, 263.3905

0.0000


310.1268,
387.1561, 317.4628


 0.0000, 0.6804,
0.0000


 0.0000, 0.0000,
0.0000

 47.4959, 68.2798,
43.9337


 47.4959, 68.2798,
43.9337


 42.3244, 65.7940,
35.6374


 53.7844, 71.3157,
53.6226


 38.1983, 63.8170,
28.6651

 61.2452, 74.9231,
64.7592

 35.0461, 62.3152,
22.9496

 69.9364, 79.1328,
77.4013

 32.7846, 61.2474,
18.4155

 79.9106, 83.9707,
91.6021

■ 31.3160, 60.5648,
14.9797

■ 89.2868, 88.4736,
106.9789

■ 30.4855, 60.1897,
12.5460

■ 30.4742, 60.1846,
12.5129

Harmonies

Analogous

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



55.0431, 68.2798, 29.7835



47.4959, 68.2798, 43.9337



44.5658, 68.2798, 70.8868

Triad

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



47.4959, 68.2798, 43.9337



63.6789, 68.2798, 161.2276



87.5926, 68.2798, 48.3598

Complementary

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



47.4959, 68.2798, 43.9337



56.9221, 42.2421, 71.4854

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.



90.6291, 68.2798, 77.9141



47.4959, 68.2798, 43.9337



75.8638, 68.2798, 149.7183

Square

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



47.4959, 68.2798, 43.9337



53.1612, 68.2798, 144.1851



86.1029, 68.2798, 116.2951



78.2462, 68.2798, 31.7339

Rectangle

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



47.4959, 68.2798, 43.9337



45.3196, 68.2798, 95.1920



86.1029, 68.2798, 116.2951



89.4313, 68.2798, 56.7883

Sweetspot

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



47.4977, 68.2826, 43.9352



80.9440, 93.1591, 88.7696



64.0238, 76.9712, 37.0741



17.0255, 19.7946, 18.5663



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.



47.4977, 68.2826, 43.9352



51.3739, 78.8757, 43.9867



52.3217, 70.2123, 69.3382



14.9862, 16.9093, 16.6101



16.8325, 33.1875, 7.0832



1.3545, 2.6191, 0.7286

Inverse Universe

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



56.9221, 42.2421, 71.4854



64.0760, 43.7270, 81.0803



51.6910, 40.1496, 43.9386



15.5839, 15.2614, 18.3603



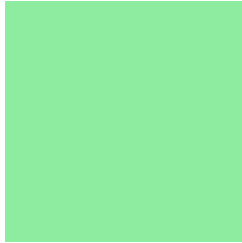
24.2857, 11.9170, 28.3694



1.9388, 0.9485, 2.3949

Previews

White Background



This preview shows how the XYZ color 47.4959, 68.2798, 43.9337 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 47.4959, 68.2798, 43.9337 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

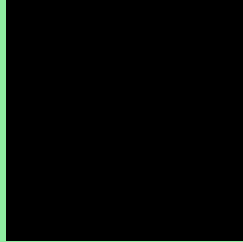
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.4959, 68.2798, 43.9337

Background



This preview shows how black text looks on a background with the XYZ color 47.4959, 68.2798, 43.9337.

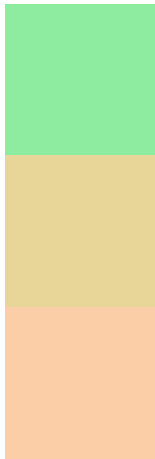


This preview shows how white text looks on a background with the XYZ color 47.4959, 68.2798,

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
47.4959, 68.2798, 43.9337
Protanopia
62.5875, 67.3164, 38.9728
Deuteranopia
68.8300, 67.4419, 45.9491



Tritanopia

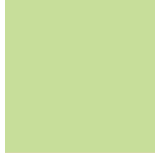
58.0227, 68.3979, 95.7320

Trichromacy



Original Color

47.4959, 68.2798, 43.9337



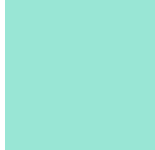
Protanomaly

55.5072, 66.7178, 40.5241



Deuteranomaly

58.3777, 66.1549, 44.8143



Tritanomaly

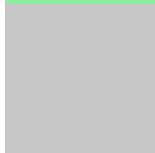
53.4439, 68.1700, 73.2921

Monochromacy



Original Color

47.4959, 68.2798, 43.9337



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 47.4959, 68.2798, 43.9337 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(142, 236, 160)` looks like.

```
.text, #text, p{  
    color:rgb(142, 236, 160)  
}
```

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(142, 236, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 236, 160) }
```

Border

The CSS property to change the border of an element to XYZ 47.4959, 68.2798, 43.9337 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(142, 236, 160) }
```


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

```
.border{ border-color:rgb(142, 236, 160) }
```

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

Here you see how a box with a 4 pixel rgb(142, 236, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 236, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 236, 160);  
box-shadow:4px 4px 4px 4px rgb(142, 236,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4959, 68.2798, 43.9337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 236, 160) }
```

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

```
.background{ background-color: rgb(142,  
236, 160) }
```

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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