

Converting Colors

XYZ(47.0423, 69.7966, 43.8031)

Have a look what the booklet for
XYZ(47.0423, 69.7966, 43.8031)
contains.

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Color

**XYZ(47.0910, 69.8099,
43.7936)**

Conversions

Conversions Part 1

Format	Color
Hex	85F09F
RGB	133, 240, 159
RGB Percent	52%, 94%, 62%
CMY	0.4784, 0.0588, 0.3765
CMYK	0.45, 0.00, 0.34, 0.06
HSL	135°, 78%, 73%
HSV	135°, 45%, 94%
XYZ	47.0910, 69.8099, 43.7936
YIQ	198.7730, -37.7710, -47.8750

Conversions

Conversions Part 2

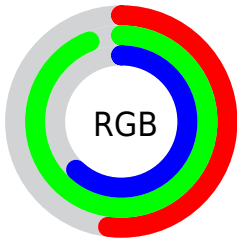
Format	Color
RYB	133, 219, 240
Decimal	8777887
CIELab	86.90, -47.91, 29.79
CIELCh	87, 56.413, 148.127
Yxy	69.8099, 0.2930, 0.4344
Android (android.graphics.Color)	4286967967 (0xFF85F09F)
YUV	198.7730, -19.6081, -57.6829
Hunter-Lab	83.5523, -45.6120, 27.4100

Details

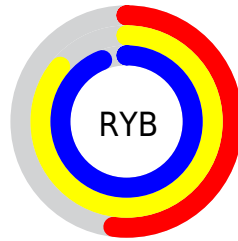
The XYZ color **47.0910, 69.8099, 43.7936** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **56.4626, 40.1569, 68.3962**, and the grayscale version is **54.2814, 57.1083, 62.1909**.

A 20% lighter version of the original color is **69.3835, 87.4514, 76.8412**, and **22.4890, 36.4244, 19.7552** is the 20% darker color. If you saturate the color by 10%, you get **42.2636, 67.4923, 35.9343**, and if you desaturate by 10%, it is **53.0194, 72.6723, 52.9172**.

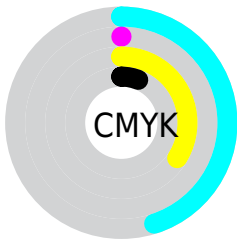
Distribution



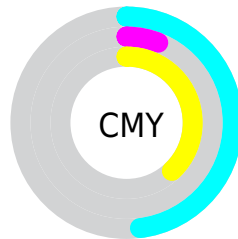
- Red (52%)
- Green (94%)
- Blue (62%)



- Red (52%)
- Yellow (86%)
- Blue (94%)



- Cyan (45%)
- Magenta (0%)
- Yellow (34%)
- Black (6%)





- Cyan (48%)
- Magenta (6%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.0910, 69.8099, 43.7936 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 47.0910, 69.8099, 43.7936 by changing the saturation by 10% instead.


 47.0910, 69.8099,
43.7936


 47.0910, 69.8099,
43.7936


365.8205,
459.8822, 377.8820

 33.3158, 51.3716,
30.1723


 85.0674, 118.9376,
82.2062

 22.5289, 36.5044,
19.7162


 109.9993,
150.3958, 107.8346

 14.3648, 24.8240,
12.0069


 139.3808,
186.9627, 138.3024

 8.4582, 15.9460,
6.6258

173.5774,
229.0228, 174.0282

 4.4438, 9.4859,
3.1543

212.9542,
276.9604, 215.4306

 1.9561, 5.0595,
1.1740

257.8768,

 0.6091, 2.2822,

331.1599, 262.9279

0.0000

308.7104,
392.0057, 316.9389

■ 0.0000, 0.7643,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.0910, 69.8099,
43.7936

■ 47.0910, 69.8099,
43.7936

■ 42.2636, 67.4923,
35.9343

■ 53.0194, 72.6723,
52.9172

■ 38.4620, 65.6758,
29.2788

■ 60.1069, 76.1024,
63.3526

■ 35.6099, 64.3245,
23.7684

■ 68.4140, 80.1324,
75.1508

■ 33.6173, 63.3933,
19.3379

■ 77.9953, 84.7893,
88.3586

■ 32.3756, 62.8277,
15.9150

■ 88.9020, 90.0987,
103.0206

■ 31.9332, 62.6315,
14.4516

■ 90.4514, 90.8028,
107.3671

Harmonies

Analogous

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



55.1183, 69.8099, 28.3223



47.0910, 69.8099, 43.7936



44.1289, 69.8099, 73.6661

Triad

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



47.0910, 69.8099, 43.7936



65.5283, 69.8099, 173.9475



91.2773, 69.8099, 46.6973

Complementary

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



47.0910, 69.8099, 43.7936



56.4626, 40.1569, 68.3962

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.



95.0085, 69.8099, 78.4054



47.0910, 69.8099, 43.7936



79.0173, 69.8099, 159.5609

Square

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



47.0910, 69.8099, 43.7936



53.8616, 69.8099, 155.7075



90.2577, 69.8099, 121.0847



80.6384, 69.8099, 29.5671

Rectangle

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



47.0910, 69.8099, 43.7936



45.0828, 69.8099, 100.8749



90.2577, 69.8099, 121.0847



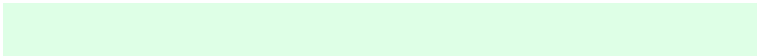
93.4381, 69.8099, 55.6106

Sweetspot

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



47.0928, 69.8128, 43.7952



80.1079, 92.7338, 88.4703



63.4304, 78.4690, 33.9939



16.6574, 19.6113, 18.2533



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.



47.0928, 69.8128, 43.7952



48.7029, 77.5493, 41.5775



52.6515, 72.0363, 73.0671



15.7234, 17.7194, 17.5662



17.5237, 34.3015, 8.1410



1.4958, 2.8688, 0.8774

Inverse Universe

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



56.4626, 40.1569, 68.3962



60.7596, 39.3019, 73.1683



50.8049, 37.8938, 38.6031



16.2805, 15.9619, 19.0333



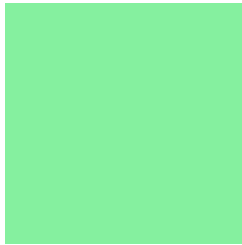
24.3307, 12.0047, 25.4560



2.0628, 1.0142, 2.3217

Previews

White Background



This preview shows how the XYZ color 47.0910, 69.8099, 43.7936 looks on a white background.

Color Contrast Check

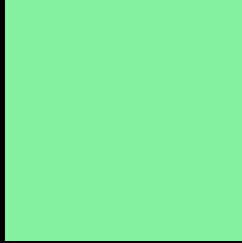
Large Text (above 18pt) WCAG AA × Fail

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 47.0910, 69.8099, 43.7936 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 47.0910, 69.8099, 43.7936

Background



This preview shows how black text looks on a background with the XYZ color 47.0910, 69.8099, 43.7936.



This preview shows how white text looks on a background with the XYZ color 47.0910, 69.8099,

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

47.0910, 69.8099, 43.7936

Protanopia

63.9124, 68.7741, 38.3400

Deuteranopia

70.3119, 68.9358, 45.6765



Tritanopia

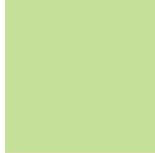
57.9447, 69.5263, 98.3616

Trichromacy



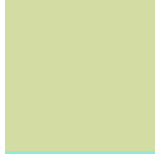
Original Color

47.0910, 69.8099, 43.7936



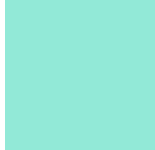
Protanomaly

55.7009, 68.0207, 40.3305



Deuteranomaly

58.7824, 67.5324, 44.5872



Tritanomaly

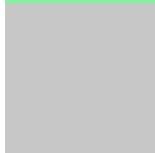
53.2587, 69.2951, 74.8582

Monochromacy



Original Color

47.0910, 69.8099, 43.7936



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

50.3775, 60.6678, 54.4023

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0910, 69.8099, 43.7936 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(133, 240, 159)` looks like.

```
.text, #text, p{  
    color:rgb(133, 240, 159)  
}
```

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(133, 240, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 240, 159) }
```

Border

The CSS property to change the border of an element to XYZ 47.0910, 69.8099, 43.7936 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(133, 240, 159) }
```


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

```
.border{ border-color:rgb(133, 240, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 240, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 240, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 240, 159);  
box-shadow:4px 4px 4px 4px rgb(133, 240,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0910, 69.8099, 43.7936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 240, 159) }
```

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

```
.background{ background-color: rgb(133,  
240, 159) }
```

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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