

Converting Colors

XYZ(49.8008, 74.6159, 38.7085)

Have a look what the booklet for
XYZ(49.8008, 74.6159, 38.7085)
contains.

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Color

**XYZ(49.6993, 74.4055,
38.5303)**

Conversions

Conversions Part 1

Format	Color
Hex	8FF791
RGB	143, 247, 145
RGB Percent	56%, 97%, 57%
CMY	0.4392, 0.0314, 0.4314
CMYK	0.42, 0.00, 0.41, 0.03
HSL	121°, 87%, 76%
HSV	121°, 42%, 97%
XYZ	49.6993, 74.4055, 38.5303
YIQ	204.2760, -29.2420, -53.7700

Conversions

Conversions Part 2

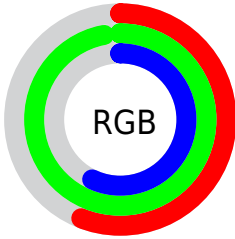
Format	Color
RYB	143, 245, 247
Decimal	9435025
CIELab	89.11, -50.26, 39.77
CIELCh	89, 64.090, 141.648
Yxy	74.4055, 0.3056, 0.4575
Android (android.graphics.Color)	4287625105 (0xFF8FF791)
YUV	204.2760, -29.2231, -53.7391
Hunter-Lab	86.2586, -48.1069, 33.8972

Details

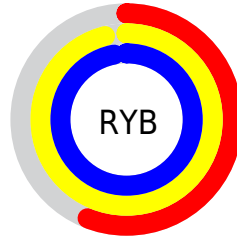
The XYZ color **49.6993, 74.4055, 38.5303** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **64.6640, 46.0131, 91.8620**, and the grayscale version is **57.7631, 60.7713, 66.1799**.

A 20% lighter version of the original color is **70.2727, 88.1076, 67.9463**, and **24.1356, 39.5485, 16.7175** is the 20% darker color. If you saturate the color by 10%, you get **44.2119, 71.7721, 29.5410**, and if you desaturate by 10%, it is **56.5301, 77.6897, 49.6645**.

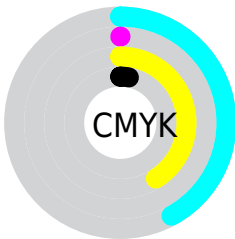
Distribution



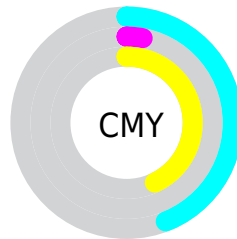
- Red (56%)
- Green (97%)
- Blue (57%)



- Red (56%)
- Yellow (96%)
- Blue (97%)



- Cyan (42%)
- Magenta (0%)
- Yellow (41%)
- Black (3%)




- Cyan (44%)
- Magenta (3%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6993, 74.4055, 38.5303 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 49.6993, 74.4055, 38.5303 by changing the saturation by 10% instead.


 49.6993, 74.4055,
38.5303

 49.6993, 74.4055,
38.5303


375.9603,
475.8717, 355.2555

 35.3913, 55.1260,
26.0895


 88.9237, 125.4705,
74.1326

 24.1324, 39.5026,
16.6642


 114.5708,
158.0247, 98.1313

 15.5571, 27.1509,
9.8360


144.7284,
195.7727, 126.8196

 9.3002, 17.6866,
5.1862

179.7618,
239.0987, 160.6162

 4.9962, 10.7252,
2.2963

220.0363,
288.3872, 199.9395

 2.2797, 5.8824,
0.7291

265.9173,

 0.7843, 2.7737,

344.0226, 245.2081

0.0000

317.7702,
406.3893, 296.8406

0.0000, 1.0148,
0.0000

0.0000, 0.0000,
0.0000

49.6993, 74.4055,
38.5303

49.6993, 74.4055,
38.5303

44.2119, 71.7721,
29.5410

56.5301, 77.6897,
49.6645

39.9743, 69.7378,
22.5541

64.7787, 81.6540,
63.0640

36.8898, 68.2582,
17.4179

74.5208, 86.3370,
78.8461

34.8451, 67.2786,
13.9569

85.8251, 91.7719,
97.1184

■ 33.7042, 66.7334,
11.9619

■ 92.5522, 95.0045,
108.0674

■ 33.2883, 66.5349,
11.2246

Harmonies

Analogous

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



60.2167, 74.4055, 24.5090



49.6993, 74.4055, 38.5303



44.9891, 74.4055, 69.1606

Triad

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



49.6993, 74.4055, 38.5303



66.4499, 74.4055, 199.2769



102.4428, 74.4055, 53.2645

Complementary

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



49.6993, 74.4055, 38.5303



64.6640, 46.0131, 91.8620

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.



104.7626, 74.4055, 94.1519



49.6993, 74.4055, 38.5303



82.3792, 74.4055, 190.0380

Square

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



49.6993, 74.4055, 38.5303



53.6852, 74.4055, 168.8384



96.9626, 74.4055, 146.9043



91.0241, 74.4055, 30.5767

Rectangle

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



49.6993, 74.4055, 38.5303



45.2112, 74.4055, 99.6364



96.9626, 74.4055, 146.9043



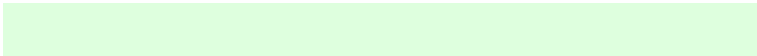
104.3735, 74.4055, 64.8714

Sweetspot

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



49.7012, 74.4086, 38.5320



79.0886, 92.3261, 83.1030



75.9712, 87.9690, 38.9627



16.4094, 19.5122, 16.9475



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.



49.7012, 74.4086, 38.5320



48.0705, 77.4204, 32.6438



54.6380, 76.3833, 64.5288



16.2952, 18.4772, 17.5726



17.6102, 35.1889, 5.9669



1.5522, 3.0945, 0.5479

Inverse Universe

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



64.6640, 46.0131, 91.8620



66.2169, 42.9744, 97.3139



57.8378, 43.2826, 55.9159



17.1991, 16.7625, 20.7948



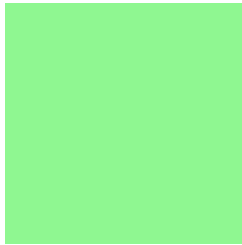
28.7884, 13.8588, 45.7217



2.5345, 1.2198, 4.0413

Previews

White Background



This preview shows how the XYZ color 49.6993, 74.4055, 38.5303 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 49.6993, 74.4055, 38.5303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

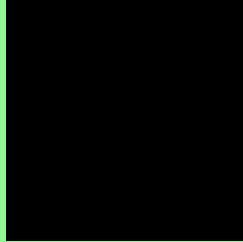
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

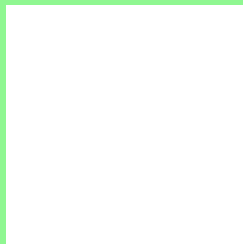
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.6993, 74.4055, 38.5303

Background



This preview shows how black text looks on a background with the XYZ color 49.6993, 74.4055, 38.5303.

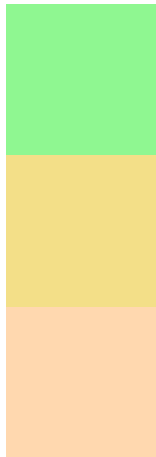


This preview shows how white text looks on a background with the XYZ color 49.6993, 74.4055,

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

49.6993, 74.4055, 38.5303

Protanopia

67.7938, 73.6076, 33.9271

Deuteranopia

73.5337, 73.4669, 50.8623



Tritanopia

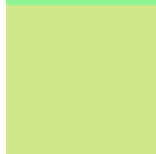
62.6695, 73.9368, 103.8967

Trichromacy



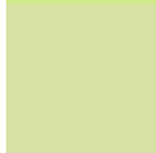
Original Color

49.6993, 74.4055, 38.5303



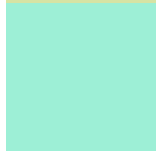
Protanomaly

59.2489, 72.8427, 35.3634



Deuteranomaly

61.9015, 71.9146, 45.7403



Tritanomaly

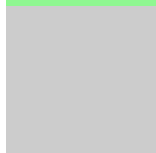
56.9087, 73.7561, 74.8553

Monochromacy



Original Color

49.6993, 74.4055, 38.5303



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

53.4318, 64.5504, 54.4431

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6993, 74.4055, 38.5303 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(143, 247, 145)` looks like.

```
.text, #text, p{  
    color:rgb(143, 247, 145)  
}
```

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(143, 247, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 247, 145) }
```

Border

The CSS property to change the border of an element to XYZ 49.6993, 74.4055, 38.5303 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(143, 247, 145) }
```


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

```
.border{ border-color:rgb(143, 247, 145) }
```

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

Here you see how a box with a 4 pixel rgb(143, 247, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 247, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 247, 145);  
box-shadow:4px 4px 4px 4px rgb(143, 247,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6993, 74.4055, 38.5303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 247, 145) }
```

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

```
.background{ background-color: rgb(143,  
247, 145) }
```

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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