

Converting Colors

XYZ(49.8829, 69.5298, 42.9441)

Have a look what the booklet for
XYZ(49.8829, 69.5298, 42.9441)
contains.

XYZ(49.8773, 69.5274, 43.1391)	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(49.8773, 69.5274,
43.1391)**

Conversions

Conversions Part 1

Format	Color
Hex	9CEC9E
RGB	156, 236, 158
RGB Percent	61%, 93%, 62%
CMY	0.3882, 0.0745, 0.3804
CMYK	0.34, 0.00, 0.33, 0.07
HSL	122°, 68%, 77%
HSV	122°, 34%, 93%
XYZ	49.8773, 69.5274, 43.1391
YIQ	203.1880, -22.6420, -41.2180

Conversions

Conversions Part 2

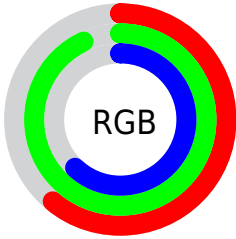
Format	Color
RYB	156, 234, 236
Decimal	10284190
CIELab	86.76, -39.65, 30.29
CIELCh	87, 49.897, 142.627
Yxy	69.5274, 0.3069, 0.4277
Android (android.graphics.Color)	4288474270 (0xFF9CEC9E)
YUV	203.1880, -22.2777, -41.3839
Hunter-Lab	83.3831, -39.1470, 27.6939

Details

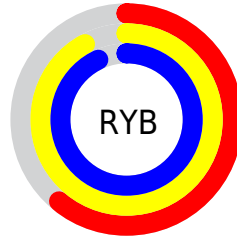
The XYZ color **49.8773, 69.5274, 43.1391** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **61.3341, 47.5517, 83.7902**, and the grayscale version is **57.0302, 60.0002, 65.3402**.

A 20% lighter version of the original color is **75.2108, 90.4702, 76.4493**, and **24.2896, 36.4498, 19.3910** is the 20% darker color. If you saturate the color by 10%, you get **43.9479, 66.6805, 33.4732**, and if you desaturate by 10%, it is **57.0683, 72.9859, 54.8027**.

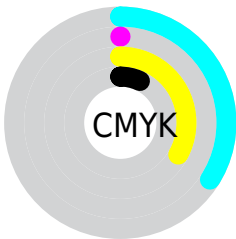
Distribution



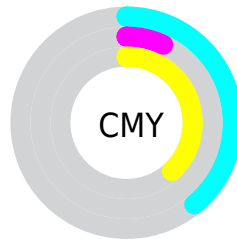
- Red (61%)
- Green (93%)
- Blue (62%)



- Red (61%)
- Yellow (92%)
- Blue (93%)



- Cyan (34%)
- Magenta (0%)
- Yellow (33%)
- Black (7%)





- Cyan (39%)
- Magenta (7%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.8773, 69.5274, 43.1391 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 49.8773, 69.5274, 43.1391 by changing the saturation by 10% instead.


 49.8773, 69.5274,
43.1391

 49.8773, 69.5274,
43.1391


376.6458,
458.8889, 375.1215

 35.5333, 51.1413,
29.6621


 89.1860, 118.5345,
81.2093

 24.2424, 36.3211,
19.3324

 114.8813,
149.9244, 106.6396

 15.6393, 24.6823,
11.7314


145.0912,
186.4177, 136.8914

 9.3585, 15.8405,
6.4408

180.1810,
228.3988, 172.3832

 5.0347, 9.4114,
3.0418

220.5160,
276.2520, 213.5335

 2.3026, 5.0105,
1.1160

266.4616,

 0.7960, 2.2534,

330.3619, 260.7610

0.0000

318.3831,
391.1127, 314.4842

0.0000, 0.7489,
0.0000

0.0000, 0.0000,
0.0000

49.8773, 69.5274,
43.1391

49.8773, 69.5274,
43.1391

43.9479, 66.6805,
33.4732

57.0683, 72.9859,
54.8027

39.2026, 64.4016,
25.6886

65.5823, 77.0792,
68.5622

35.5633, 62.6550,
19.6643

75.4828, 81.8403,
84.5151

32.9406, 61.3977,
15.2632

86.8278, 87.2969,
102.7514

■ 31.2312, 60.5797,
12.3279

■ 89.2868, 88.4736,
106.9789

■ 30.3099, 60.1405,
10.6699

■ 30.0291, 60.0065,
10.1693

Harmonies

Analogous

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



57.8585, 69.5274, 30.6841



49.8773, 69.5274, 43.1391



46.3179, 69.5274, 67.7893

Triad

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



49.8773, 69.5274, 43.1391



63.2592, 69.5274, 158.4983



88.9149, 69.5274, 53.6661

Complementary

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



49.8773, 69.5274, 43.1391



61.3341, 47.5517, 83.7902

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.



90.7981, 69.5274, 84.2109



49.8773, 69.5274, 43.1391



75.0536, 69.5274, 151.4147

Square

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



49.8773, 69.5274, 43.1391



53.4337, 69.5274, 138.7562



85.4678, 69.5274, 121.5408



80.5875, 69.5274, 35.4021

Rectangle

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



49.8773, 69.5274, 43.1391



46.5990, 69.5274, 90.5641



85.4678, 69.5274, 121.5408



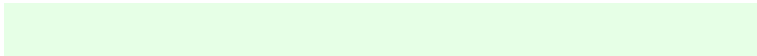
90.3594, 69.5274, 62.5646

Sweetspot

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



49.8791, 69.5303, 43.1406



82.5352, 93.9813, 88.7546



70.1501, 80.0002, 43.1973



17.3189, 19.9490, 18.4376



0.0000, 0.0000, 0.0000



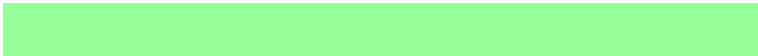
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.8791, 69.5303, 43.1406



54.1758, 80.3489, 42.8188



53.8240, 71.1083, 63.9140



14.8836, 16.8683, 16.0699



16.5589, 33.0780, 5.6420



1.3057, 2.5996, 0.4714

Inverse Universe

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



61.3341, 47.5517, 83.7902



69.8500, 50.2693, 98.4369



56.2953, 45.5362, 57.2563



15.6976, 15.3069, 18.9588



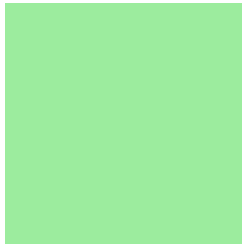
26.9559, 12.9851, 42.4308



2.1219, 1.0217, 3.3591

Previews

White Background



This preview shows how the XYZ color 49.8773, 69.5274, 43.1391 looks on a white background.

Color Contrast Check

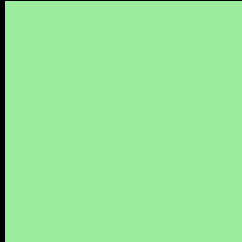
Large Text (above 18pt) WCAG AA × Fail

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 49.8773, 69.5274, 43.1391 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 49.8773, 69.5274, 43.1391

Background



This preview shows how black text looks on a background with the XYZ color 49.8773, 69.5274, 43.1391.



This preview shows how white text looks on a background with the XYZ color 49.8773, 69.5274,

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

49.8773, 69.5274, 43.1391

Protanopia

63.9926, 68.8062, 38.7623

Deuteranopia

69.8867, 68.3768, 44.6366



Tritanopia

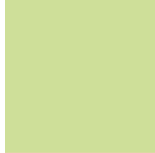
60.1161, 69.0921, 94.9617

Trichromacy



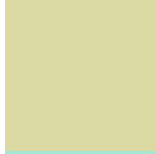
Original Color

49.8773, 69.5274, 43.1391



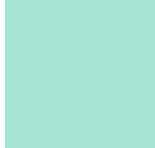
Protanomaly

57.5910, 68.1971, 40.2650



Deuteranomaly

60.5064, 67.6569, 44.0525



Tritanomaly

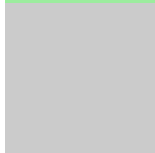
55.6289, 68.8991, 72.6543

Monochromacy



Original Color

49.8773, 69.5274, 43.1391



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

53.5198, 62.6278, 56.2813

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8773, 69.5274, 43.1391 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(156, 236, 158)` looks like.

```
.text, #text, p{  
    color:rgb(156, 236, 158)  
}
```

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(156, 236, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 236, 158) }
```

Border

The CSS property to change the border of an element to XYZ 49.8773, 69.5274, 43.1391 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(156, 236, 158) }
```


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

```
.border{ border-color:rgb(156, 236, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 236, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 236, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 236, 158);  
box-shadow:4px 4px 4px 4px rgb(156, 236,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8773, 69.5274, 43.1391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 236, 158) }
```

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

```
.background{ background-color: rgb(156,  
236, 158) }
```

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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