

Converting Colors

XYZ(43.9634, 69.0810, 48.8321)

Have a look what the booklet for
XYZ(43.9634, 69.0810, 48.8321)
contains.

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Color

**XYZ(43.9376, 68.9479,
49.0227)**

Conversions

Conversions Part 1

Format	Color
Hex	61F2AA
RGB	97, 242, 170
RGB Percent	38%, 95%, 67%
CMY	0.6196, 0.0510, 0.3333
CMYK	0.60, 0.00, 0.30, 0.05
HSL	150°, 85%, 66%
HSV	150°, 60%, 95%
XYZ	43.9376, 68.9479, 49.0227
YIQ	190.4370, -63.3080, -53.1320

Conversions

Conversions Part 2

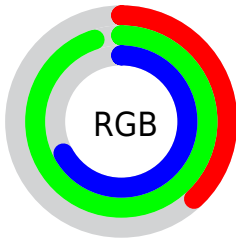
Format	Color
RYB	97, 193, 242
Decimal	6419114
CIELab	86.48, -55.11, 23.40
CIELCh	86, 59.871, 156.995
Yxy	68.9479, 0.2714, 0.4258
Android (android.graphics.Color)	4284609194 (0xFF61F2AA)
YUV	190.4370, -10.0754, -81.9442
Hunter-Lab	83.0349, -50.8584, 23.1204

Details

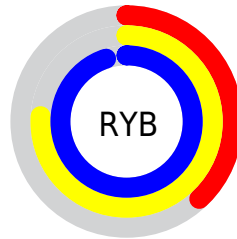
The XYZ color **43.9376, 68.9479, 49.0227** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **48.0563, 30.2928, 40.8531**, and the grayscale version is **49.2797, 51.8461, 56.4604**.

A 20% lighter version of the original color is **63.7855, 84.3819, 84.8770**, and **20.6224, 36.0145, 22.6942** is the 20% darker color. If you saturate the color by 10%, you get **40.6564, 67.3836, 43.2046**, and if you desaturate by 10%, it is **48.1126, 70.9646, 55.4281**.

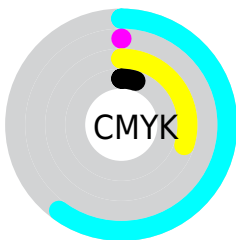
Distribution



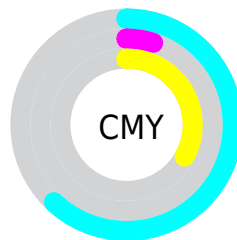
- Red (38%)
- Green (95%)
- Blue (67%)



- Red (38%)
- Yellow (76%)
- Blue (95%)



- Cyan (60%)
- Magenta (0%)
- Yellow (30%)
- Black (5%)





- Cyan (62%)
- Magenta (5%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.9376, 68.9479, 49.0227 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 43.9376, 68.9479, 49.0227 by changing the saturation by 10% instead.


 43.9376, 68.9479,
49.0227


 43.9376, 68.9479,
49.0227


353.3101,
456.8472, 399.4567


 30.8192, 50.6693,
34.2718


 80.3708, 117.7072,
90.1065


 20.6123, 35.9455,
22.8234


 104.4162,
148.9566, 117.2764

 12.9518, 24.3921,
14.2591


 132.8347,
185.2984, 149.4231

 7.4721, 15.6247,
8.1603

 165.9915,
227.1170, 186.9651

 3.8080, 9.2590,
4.1084

204.2522,
274.7968, 230.3209

 1.5941, 4.9105,
1.6850

247.9819,

 0.3886, 2.1948,

328.7222, 279.9091

0.3504

297.5461,
389.2775, 336.1482

■ 0.0000, 0.7172,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 43.9376, 68.9479,
49.0227

■ 43.9376, 68.9479,
49.0227

■ 40.6564, 67.3836,
43.2046

■ 48.1126, 70.9646,
55.4281

■ 38.1867, 66.2242,
37.9511


■ 53.2435, 73.4600,
62.4333


■ 36.4394, 65.4258,
33.2443


■ 59.3927, 76.4676,
70.0559

■ 35.2647, 64.9115,
29.0615


■ 66.6156, 80.0160,
78.3115

 35.2559, 64.9078,
29.0287

 74.9637, 84.1311,
87.2152

 84.4848, 88.8375,
96.7812

 90.9022, 91.9303,
106.8212

 91.0434, 91.9867,
107.5645

Harmonies

Analogous

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



50.7702, 68.9479, 29.1277



43.9376, 68.9479, 49.0227



42.4825, 68.9479, 84.7556

Triad

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



43.9376, 68.9479, 49.0227



68.8320, 68.9479, 179.1539



89.2031, 68.9479, 37.8769

Complementary

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



43.9376, 68.9479, 49.0227



48.0563, 30.2928, 40.8531

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.



95.6999, 68.9479, 66.1566



43.9376, 68.9479, 49.0227



82.9114, 68.9479, 154.0100

Square

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



43.9376, 68.9479, 49.0227



55.6607, 68.9479, 169.5083



93.2487, 68.9479, 109.0218



76.5084, 68.9479, 24.4580

Rectangle

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



43.9376, 68.9479, 49.0227



44.5410, 68.9479, 115.3151



93.2487, 68.9479, 109.0218



92.2602, 68.9479, 45.4864

Sweetspot

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



43.9394, 68.9507, 49.0243



76.6778, 90.9279, 90.0082



50.3817, 72.8607, 22.7183



15.8619, 19.1915, 18.6603



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.



43.9394, 68.9507, 49.0243



45.0736, 75.5490, 47.2488



52.7111, 72.4594, 95.2156



15.8979, 17.7892, 18.4851



19.0082, 34.8953, 15.9579



1.6315, 2.9231, 1.5921

Inverse Universe

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



48.0563, 30.2928, 40.8531



50.0911, 28.4464, 37.2988



43.0522, 28.2912, 14.5018



16.1001, 15.8897, 18.0833



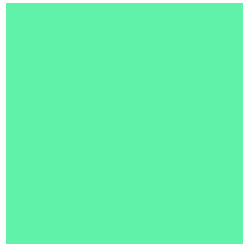
21.5671, 10.8993, 10.9028



1.8444, 0.9268, 1.1713

Previews

White Background



This preview shows how the XYZ color 43.9376, 68.9479, 49.0227 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 43.9376, 68.9479, 49.0227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

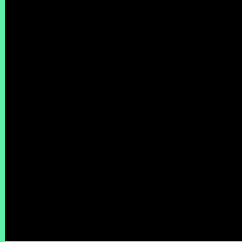
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 43.9376, 68.9479, 49.0227

Background



This preview shows how black text looks on a background with the XYZ color 43.9376, 68.9479, 49.0227.

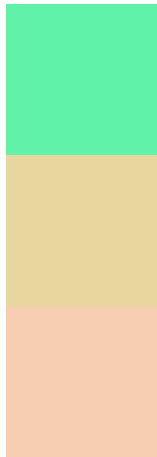


This preview shows how white text looks on a background with the XYZ color 43.9376, 68.9479,

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

43.9376, 68.9479, 49.0227

Protanopia

63.1731, 67.5507, 42.0568

Deuteranopia

68.8186, 67.3134, 51.4851



Tritanopia

54.2803, 68.8263, 100.8664

Trichromacy



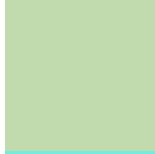
Original Color

43.9376, 68.9479, 49.0227



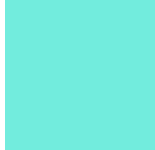
Protanomaly

52.4686, 65.8650, 44.1303



Deuteranomaly

55.0617, 65.0956, 50.2201



Tritanomaly

49.9860, 68.7888, 79.0496

Monochromacy



Original Color

43.9376, 68.9479, 49.0227



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

45.0580, 56.0877, 53.2510

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.9376, 68.9479, 49.0227 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(97, 242, 170)` looks like.

```
.text, #text, p{  
    color:rgb(97, 242, 170)  
}
```

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(97, 242, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 242, 170) }
```

Border

The CSS property to change the border of an element to XYZ 43.9376, 68.9479, 49.0227 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(97, 242, 170) }
```


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

```
.border{ border-color:rgb(97, 242, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 242, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 242, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 242, 170);  
box-shadow:4px 4px 4px 4px rgb(97, 242,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 43.9376, 68.9479, 49.0227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 242, 170) }
```

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

```
.background{ background-color: rgb(97, 242,  
170) }
```

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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