

# Converting Colors

XYZ(48.2146, 69.9742, 62.5989)

Have a look what the booklet for  
XYZ(48.2146, 69.9742, 62.5989)  
contains.

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# Color

**XYZ(48.2129, 69.9733,  
62.5949)**

# Conversions

## Conversions Part 1

Format	Color
Hex	74F0C3
RGB	116, 240, 195
RGB Percent	45%, 94%, 76%
CMY	0.5451, 0.0588, 0.2353
CMYK	0.52, 0.00, 0.19, 0.06
HSL	158°, 81%, 70%
HSV	158°, 52%, 94%
XYZ	48.2129, 69.9733, 62.5949
YIQ	197.7940, -59.4590, -40.2830

# Conversions

## Conversions Part 2

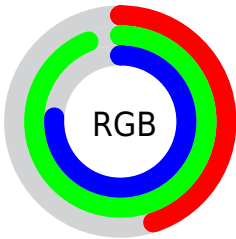
Format	Color
<a href="#">RYB</a>	<a href="#">116, 192, 240</a>
Decimal	<a href="#">7663811</a>
CIELab	<a href="#">86.98, -45.14, 11.26</a>
CIELCh	<a href="#">87, 46.519, 165.993</a>
Yxy	<a href="#">69.9733, 0.2667, 0.3871</a>
Android (android.graphics.Color)	<a href="#">4285853891 (0xFF74F0C3)</a>
YUV	<a href="#">197.7940, -1.3774, -71.7333</a>
Hunter-Lab	<a href="#">83.6500, -43.5065, 14.1886</a>

# Details

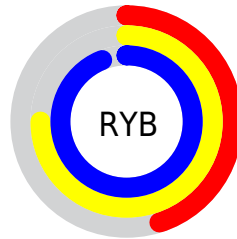
The XYZ color **48.2129, 69.9733, 62.5949** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **48.6160, 33.5911, 37.6423**, and the grayscale version is **53.5870, 56.3777, 61.3954**.

A 20% lighter version of the original color is **71.0099, 87.6622, 105.2733**, and **23.1574, 36.5201, 31.0279** is the 20% darker color. If you saturate the color by 10%, you get **44.4693, 68.1557, 57.4288**, and if you desaturate by 10%, it is **52.8418, 72.2443, 68.1054**.

# Distribution



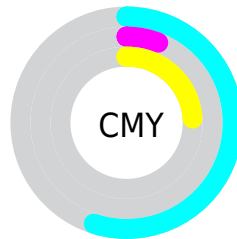
- Red (45%)
- Green (94%)
- Blue (76%)



- Red (45%)
- Yellow (75%)
- Blue (94%)



- Cyan (52%)
- Magenta (0%)
- Yellow (19%)
- Black (6%)




- Cyan (55%)
- Magenta (6%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.2129, 69.9733, 62.5949 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 48.2129, 69.9733, 62.5949 by changing the saturation by 10% instead.





 48.2129, 69.9733,  
62.5949


 48.2129, 69.9733,  
62.5949


370.2040,  
460.4563, 452.1652


 34.2075, 51.5048,  
45.0747


 86.7291, 119.1707,  
110.1648

 23.2167, 36.6105,  
31.1729


 111.9705,  
150.6683, 141.0515

 14.8752, 24.9061,  
20.4710


 141.6881,  
187.2778, 177.2309

 8.8176, 16.0071,  
12.5504

176.2470,  
229.3835, 219.1213

 4.6785, 9.5292,  
6.9926

216.0127,  
277.3697, 267.1414

 2.0927, 5.0879,  
3.3791


261.3505,


 0.6852, 2.2989,


331.6210, 321.7098


1.2913


312.6258,  
392.5217, 383.2448


 0.0000, 0.7731,  
0.0547


 0.0000, 0.0000,  
0.0000

 48.2129, 69.9733,  
62.5949


 48.2129, 69.9733,  
62.5949


 44.4693, 68.1557,  
57.4288


 52.8418, 72.2443,  
68.1054


 41.5393, 66.7492,  
52.5941


 58.4091, 74.9904,  
73.9632


 39.3495, 65.7179,  
48.0837


 64.9704, 78.2422,  
80.1773


 37.8091, 65.0151,  
43.8881

 72.5751, 82.0248,  
86.7545

 36.9030, 64.6193,  
40.6224

 81.2693, 86.3621,  
93.7018

 89.2305, 90.3143,  
100.9383

 90.4513, 90.8026,  
107.3671

# Harmonies

## Analogous

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



52.5735, 69.9733, 41.6990



48.2129, 69.9733, 62.5949



48.3645, 69.9733, 93.9077

# Triad

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



48.2129, 69.9733, 62.5949



72.4365, 69.9733, 149.4685



82.1174, 69.9733, 40.7245

# Complementary

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



48.2129, 69.9733, 62.5949



48.6160, 33.5911, 37.6423

# 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.



88.7003, 69.9733, 60.8523



48.2129, 69.9733, 62.5949



82.7087, 69.9733, 125.8239

# Square

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



48.2129, 69.9733, 62.5949



61.5740, 69.9733, 150.3122



88.9278, 69.9733, 91.6213



71.6978, 69.9733, 31.6051



# Rectangle

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



48.2129, 69.9733, 62.5949



50.9840, 69.9733, 117.0780



88.9278, 69.9733, 91.6213



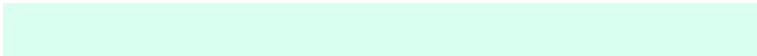
84.8999, 69.9733, 46.1371

# Sweetspot

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



48.2148, 69.9761, 62.5965



80.1959, 92.5914, 96.9569



49.1069, 71.2097, 27.6808



16.7671, 19.6203, 20.4100



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.



48.2148, 69.9761, 62.5965



50.8287, 78.1157, 65.5969



49.4454, 63.0320, 92.0017



15.9898, 17.8259, 18.9690



20.2665, 35.3986, 22.5842



1.7335, 2.9638, 2.1291



# Inverse Universe

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



48.6160, 33.5911, 37.6423



51.3613, 32.1333, 34.1885



47.4135, 36.4356, 21.0580



16.0099, 15.8537, 17.6082



20.6736, 10.5419, 6.1976

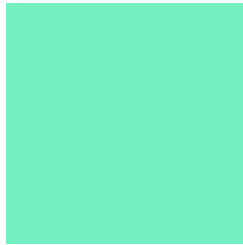


1.7660, 0.8954, 0.7585



# Previews

## White Background



This preview shows how the XYZ color 48.2129, 69.9733, 62.5949 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 48.2129, 69.9733, 62.5949 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

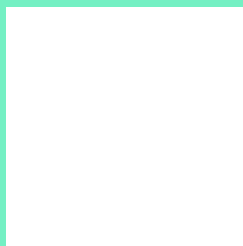
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 48.2129, 69.9733, 62.5949**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.2129, 69.9733, 62.5949.



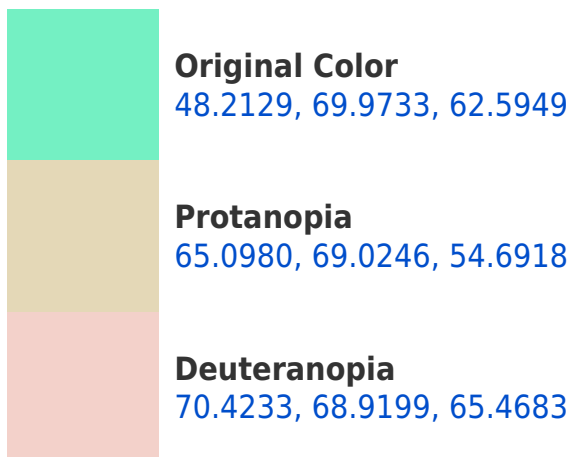
This preview shows how white text looks on a background with the XYZ color 48.2129, 69.9733,



# 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





## Tritanopia

55.9421, 69.6648, 101.7650

# Trichromacy



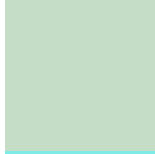
## Original Color

48.2129, 69.9733, 62.5949



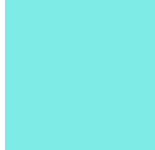
## Protanomaly

56.3884, 68.0031, 57.1676



## Deuteranomaly

58.9280, 67.1802, 63.8941



## Tritanomaly

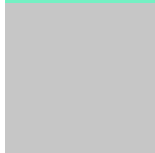
52.8845, 69.6982, 86.2671

# Monochromacy



## Original Color

48.2129, 69.9733, 62.5949



## Achromatopsia

53.6758, 56.4712, 61.4971



## Achromatomaly

50.0207, 59.9445, 61.7574

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.2129, 69.9733, 62.5949 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(116, 240, 195)` looks like.

```
.text, #text, p{  
    color:rgb(116, 240, 195)  
}
```

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(116, 240, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 240, 195) }
```

## Border

The CSS property to change the border of an element to XYZ 48.2129, 69.9733, 62.5949 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(116, 240, 195) }
```



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

```
.border{ border-color:rgb(116, 240, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 240, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 240, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 240, 195);  
box-shadow:4px 4px 4px 4px rgb(116, 240,  
195) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.2129, 69.9733, 62.5949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 240, 195) }
```

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

```
.background{ background-color: rgb(116,  
240, 195) }
```

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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