

# Converting Colors

XYZ(45.3983, 62.4378, 71.7382)

Have a look what the booklet for  
XYZ(45.3983, 62.4378, 71.7382)  
contains.

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# Color

**XYZ(45.3867, 62.3974,  
71.9391)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6DE2D4
RGB	109, 226, 212
RGB Percent	43%, 89%, 83%
CMY	0.5725, 0.1137, 0.1686
CMYK	0.52, 0.00, 0.06, 0.11
HSL	173°, 67%, 66%
HSV	173°, 52%, 89%
XYZ	45.3867, 62.3974, 71.9391
YIQ	189.4210, -65.2380, -29.1580

# Conversions

## Conversions Part 2

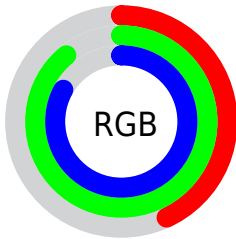
Format	Color
<a href="#">RYB</a>	<a href="#">109, 171, 226</a>
Decimal	<a href="#">7201492</a>
CIELab	<a href="#">83.12, -36.45, -3.29</a>
CIELCh	<a href="#">83, 36.597, 185.157</a>
Yxy	<a href="#">62.3974, 0.2525, 0.3472</a>
Android (android.graphics.Color)	<a href="#">4285391572</a> ( <a href="#">0xFF6DE2D4</a> )
YUV	<a href="#">189.4210, 11.1314, -70.5292</a>
Hunter-Lab	<a href="#">78.9920, -35.6747, 1.2982</a>

# Details

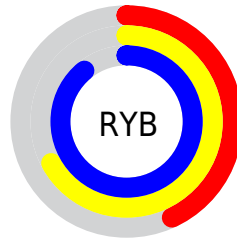
The XYZ color **45.3867, 62.3974, 71.9391** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **40.4099, 28.5379, 22.1197**, and the grayscale version is **48.5775, 51.1073, 55.6558**.

A 20% lighter version of the original color is **69.9584, 87.0648, 107.7257**, and **21.5011, 31.7103, 37.3352** is the 20% darker color. If you saturate the color by 10%, you get **42.6179, 61.0106, 70.0445**, and if you desaturate by 10%, it is **48.8795, 64.1597, 73.9002**.

# Distribution



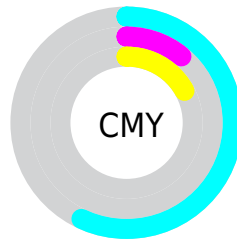
- Red (43%)
- Green (89%)
- Blue (83%)



- Red (43%)
- Yellow (67%)
- Blue (89%)



- Cyan (52%)
- Magenta (0%)
- Yellow (6%)
- Black (11%)



- Cyan (57%)
- Magenta (11%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.3867, 62.3974, 71.9391 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 45.3867, 62.3974, 71.9391 by changing the saturation by 10% instead.



45.3867, 62.3974,  
71.9391

45.3867, 62.3974,  
71.9391

359.0949,  
433.3792, 486.3014

31.9647, 45.3539,  
52.6224

82.5339, 108.2997,  
123.6769

21.4900, 31.7363,  
37.1158

106.9898,  
137.9272, 156.9350

13.5971, 21.1601,  
25.0006

135.8544,  
172.5183, 195.6774

7.9208, 13.2411,  
15.8585

169.4930,  
212.4571, 240.3225

4.0957, 7.5948,  
9.2708

208.2710,  
258.1283, 291.2889

1.7564, 3.8368,  
4.8190

252.5537,

0.4912, 1.5827,

309.9161, 348.9952

2.0846

302.7066,  
368.2049, 413.8599

■ 0.0000, 0.3459,  
0.6066

■ 0.0000, 0.0000,  
0.0000

■ 45.3867, 62.3974,  
71.9391

■ 45.3867, 62.3974,  
71.9391

■ 42.6179, 61.0106,  
70.0445

■ 48.8795, 64.1597,  
73.9002

■ 40.5117, 59.9633,  
68.2092


■ 53.1409, 66.3162,  
75.9258


■ 39.0055, 59.2246,  
66.4316

■ 58.2183, 68.8926,  
78.0198


■ 38.0224, 58.7549,  
64.7078


■ 64.1536, 71.9106,  
80.1842


 37.5011, 58.5163,  
63.3244

 70.9860, 75.3904,  
82.4210

 78.7522, 79.3509,  
84.7320

 82.8520, 81.4206,  
86.9021

 83.2370, 81.5746,  
88.9292

 83.6278, 81.7310,  
90.9875

# Harmonies

## Analogous

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



46.5244, 62.3974, 51.2032



45.3867, 62.3974, 71.9391



47.6993, 62.3974, 96.2983

# Triad

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



45.3867, 62.3974, 71.9391



68.5221, 62.3974, 110.2360



65.9429, 62.3974, 35.5313

# Complementary

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



45.3867, 62.3974, 71.9391



40.4099, 28.5379, 22.1197

# 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.



72.6596, 62.3974, 45.7797



45.3867, 62.3974, 71.9391



74.2392, 62.3974, 87.9766

# Square

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



45.3867, 62.3974, 71.9391



60.6872, 62.3974, 121.3391



75.8167, 62.3974, 64.0922



57.9476, 62.3974, 33.0827



# Rectangle

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



45.3867, 62.3974, 71.9391



51.0190, 62.3974, 110.4253



75.8167, 62.3974, 64.0922



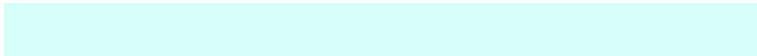
68.4469, 62.3974, 38.0459

# Sweetspot

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



45.3885, 62.3998, 71.9406



80.8237, 92.7557, 104.1826



38.3578, 59.8293, 23.9959



16.9554, 19.6786, 22.1733



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.



45.3885, 62.3998, 71.9406



55.8309, 80.1166, 91.9385



36.9902, 42.6527, 78.2374



14.0422, 15.5426, 17.2577



21.4229, 33.3940, 36.2797



1.5051, 2.3228, 2.6211



# Inverse Universe

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



40.4099, 28.5379, 22.1197



48.6474, 31.0477, 19.8973



45.3385, 39.6990, 19.7424



13.7736, 13.7271, 14.5781



18.0291, 9.2786, 1.5530



1.2720, 0.6521, 0.2253



# Previews

## White Background



This preview shows how the XYZ color 45.3867, 62.3974, 71.9391 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

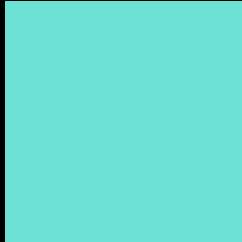
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.3867, 62.3974, 71.9391 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

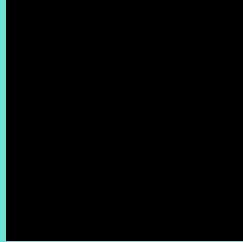
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

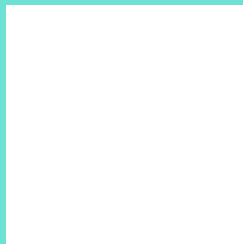
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 45.3867, 62.3974, 71.9391**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.3867, 62.3974, 71.9391.



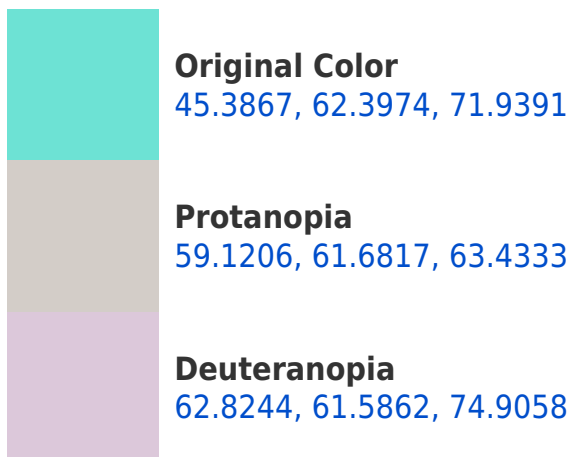
This preview shows how white text looks on a background with the XYZ color 45.3867, 62.3974,



# 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

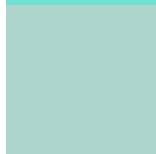
49.3207, 62.3854, 91.8802

# Trichromacy



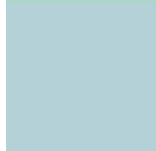
## Original Color

45.3867, 62.3974, 71.9391



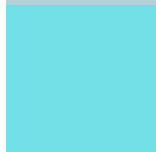
## Protanomaly

52.1489, 60.9468, 66.1421



## Deuteranomaly

54.0175, 60.2621, 73.7505



## Tritanomaly

47.7408, 62.1334, 84.3396

# Monochromacy



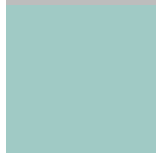
## Original Color

45.3867, 62.3974, 71.9391



## Achromatopsia

48.3692, 50.8881, 55.4172



## Achromatomaly

45.6958, 53.7459, 60.7889

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.3867, 62.3974, 71.9391 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(109, 226, 212)` looks like.

```
.text, #text, p{  
    color:rgb(109, 226, 212)  
}
```

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(109, 226, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 226, 212) }
```

## Border

The CSS property to change the border of an element to XYZ 45.3867, 62.3974, 71.9391 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(109, 226, 212) }
```



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

```
.border{ border-color:rgb(109, 226, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 226, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(109, 226, 212); -webkit-box-shadow:4px 4px 4px 4px rgb(109, 226, 212); box-shadow:4px 4px 4px 4px rgb(109, 226, 212) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.3867, 62.3974, 71.9391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 226, 212) }
```

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

```
.background{ background-color: rgb(109,  
226, 212) }
```

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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