

# Converting Colors

XYZ(45.0680, 62.7964, 64.9239)

Have a look what the booklet for  
XYZ(45.0680, 62.7964, 64.9239)  
contains.

<b>XYZ(45.0819, 62.8001, 65.0039)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(45.0819, 62.8001,  
65.0039)**

# Conversions

## Conversions Part 1

Format	Color
Hex	73E3C9
RGB	115, 227, 201
RGB Percent	45%, 89%, 79%
CMY	0.5490, 0.1098, 0.2118
CMYK	0.49, 0.00, 0.11, 0.11
HSL	166°, 67%, 67%
HSV	166°, 49%, 89%
XYZ	45.0819, 62.8001, 65.0039
YIQ	190.5480, -58.4060, -31.8300

# Conversions

## Conversions Part 2

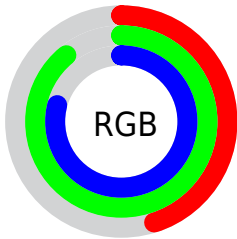
Format	Color
<a href="#">RYB</a>	<a href="#">115, 178, 227</a>
Decimal	<a href="#">7594953</a>
CIELab	<a href="#">83.34, -38.24, 2.87</a>
CIELCh	<a href="#">83, 38.350, 175.715</a>
Yxy	<a href="#">62.8001, 0.2608, 0.3632</a>
Android (android.graphics.Color)	<a href="#">4285785033 (0xFF73E3C9)</a>
YUV	<a href="#">190.5480, 5.1528, -66.2556</a>
Hunter-Lab	<a href="#">79.2465, -37.1360, 6.8385</a>

# Details

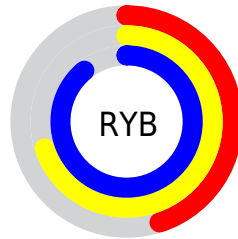
The XYZ color **45.0819, 62.8001, 65.0039** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **42.6191, 30.5170, 28.8456**, and the grayscale version is **49.2565, 51.8216, 56.4338**.

A 20% lighter version of the original color is **71.0436, 87.6242, 107.7765**, and **21.2976, 31.9893, 32.6558** is the 20% darker color. If you saturate the color by 10%, you get **41.8474, 61.2046, 61.6726**, and if you desaturate by 10%, it is **49.0761, 64.7879, 68.4846**.

# Distribution



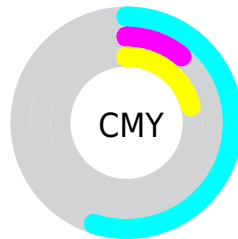
- Red (45%)
- Green (89%)
- Blue (79%)



- Red (45%)
- Yellow (70%)
- Blue (89%)



- Cyan (49%)
- Magenta (0%)
- Yellow (11%)
- Black (11%)




- Cyan (55%)
- Magenta (11%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.0819, 62.8001, 65.0039 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 45.0819, 62.8001, 65.0039 by changing the saturation by 10% instead.





 45.0819, 62.8001,  
65.0039

 45.0819, 62.8001,  
65.0039


357.8833,  
434.8436, 461.1126


 31.7235, 45.6795,  
47.0129


 82.0796, 108.8811,  
113.6688

 21.3049, 31.9930,  
32.6914


 106.4496,  
138.6102, 145.1797

 13.4608, 21.3561,  
21.6210


 135.2209,  
173.3110, 182.0344

 7.8258, 13.3846,  
13.3830

168.7587,  
213.3679, 224.6514

 4.0345, 7.6939,  
7.5590

207.4285,  
259.1652, 273.4491

 1.7217, 3.8997,  
3.7304

251.5957,

 0.4698, 1.6176,

311.0873, 328.8462

1.4786

301.6255,  
369.5187, 391.2612

■ 0.0000, 0.3694,  
0.2019

■ 0.0000, 0.0000,  
0.0000

■ 45.0819, 62.8001,  
65.0039

■ 45.0819, 62.8001,  
65.0039

■ 41.8474, 61.2046,  
61.6726

■ 49.0761, 64.7879,  
68.4846

■ 39.3122, 59.9657,  
58.4826


■ 53.8743, 67.1861,  
72.1137


■ 37.4151, 59.0533,  
55.4313


■ 59.5235, 70.0205,  
75.8958


■ 36.0819, 58.4291,  
52.5141


■ 66.0655, 73.3127,  
79.8339


 35.1926, 58.0315,  
49.7242


 73.5395, 77.0827,  
83.9310

 35.1397, 58.0082,  
49.5437

 81.9821, 81.3495,  
88.1897

 84.1271, 82.3672,  
92.2710

 84.9125, 82.6813,  
96.4070

 85.7208, 83.0046,  
100.6633

# Harmonies

## Analogous

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



47.3943, 62.8001, 45.6306



45.0819, 62.8001, 65.0039



46.3742, 62.8001, 90.3080

# Triad

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



45.0819, 62.8001, 65.0039



66.9226, 62.8001, 118.6727



69.1877, 62.8001, 37.0150

# Complementary

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



45.0819, 62.8001, 65.0039



42.6191, 30.5170, 28.8456

# 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.



75.3371, 62.8001, 50.3220



45.0819, 62.8001, 65.0039



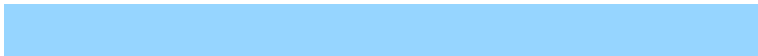
73.9463, 62.8001, 97.6538

# Square

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



45.0819, 62.8001, 65.0039



58.4993, 62.8001, 125.1722



77.1543, 62.8001, 71.8682



60.8959, 62.8001, 32.0404



# Rectangle

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



45.0819, 62.8001, 65.0039



49.1769, 62.8001, 106.8137



77.1543, 62.8001, 71.8682



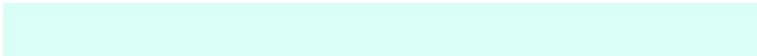
71.6030, 62.8001, 40.4854

# Sweetspot

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



45.0837, 62.8026, 65.0054



80.9540, 92.8946, 100.9489



41.5727, 61.8530, 25.9684



16.9506, 19.6937, 21.3761



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.



45.0837, 62.8026, 65.0054



54.4607, 79.6672, 80.2665



40.9338, 49.1862, 80.0124



14.6568, 16.2761, 17.7234



20.5397, 33.8480, 29.1399



1.5527, 2.5152, 2.3370



# Inverse Universe

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



42.6191, 30.5170, 28.8456



50.9411, 33.1498, 28.3236



44.8801, 37.7806, 21.1476



14.5134, 14.4225, 15.6380



18.8830, 9.6874, 3.0130

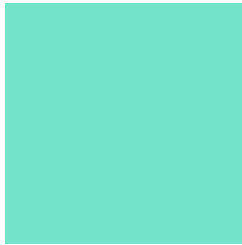


1.4306, 0.7300, 0.4082



# Previews

## White Background



This preview shows how the XYZ color 45.0819, 62.8001, 65.0039 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

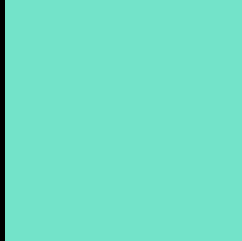
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.0819, 62.8001, 65.0039 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

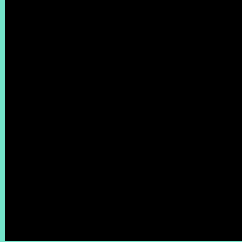
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

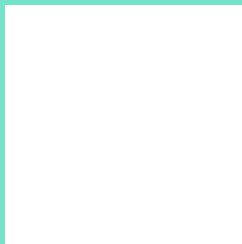
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 45.0819, 62.8001, 65.0039**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.0819, 62.8001, 65.0039.



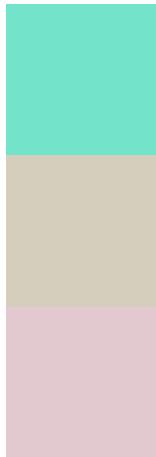
This preview shows how white text looks on a background with the XYZ color 45.0819, 62.8001, 65.0039.



# 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

45.0819, 62.8001, 65.0039

### Protanopia

58.9882, 62.1129, 57.0241

### Deuteranopia

63.2808, 61.9823, 67.6600



## Tritanopia

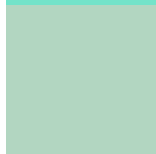
50.1888, 62.4569, 91.0715

# Trichromacy



## Original Color

45.0819, 62.8001, 65.0039



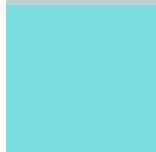
## Protanomaly

52.0323, 61.4084, 59.5627



## Deuteranomaly

54.3157, 60.9401, 66.6575



## Tritanomaly

48.1467, 62.4225, 80.7453

# Monochromacy



## Original Color

45.0819, 62.8001, 65.0039



## Achromatopsia

49.5206, 52.0996, 56.7364



## Achromatomaly

46.5474, 54.9124, 59.7756

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.0819, 62.8001, 65.0039 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(115, 227, 201)` looks like.

```
.text, #text, p{  
    color:rgb(115, 227, 201)  
}
```

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(115, 227, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 227, 201) }
```

## Border

The CSS property to change the border of an element to XYZ 45.0819, 62.8001, 65.0039 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(115, 227, 201) }
```



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

```
.border{ border-color:rgb(115, 227, 201) }
```

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

Here you see how a box with a 4 pixel rgb(115, 227, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 227, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 227, 201);  
box-shadow:4px 4px 4px 4px rgb(115, 227,  
201) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.0819, 62.8001, 65.0039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 227, 201) }
```

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

```
.background{ background-color: rgb(115,  
227, 201) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor