

# Converting Colors

XYZ(50.0679, 69.8273, 73.1277)

Have a look what the booklet for  
XYZ(50.0679, 69.8273, 73.1277)  
contains.

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# Color

**XYZ(50.0659, 69.8245,  
73.1261)**

# Conversions

## Conversions Part 1

Format	Color
Hex	77EED4
RGB	119, 238, 212
RGB Percent	47%, 93%, 83%
CMY	0.5333, 0.0667, 0.1686
CMYK	0.50, 0.00, 0.11, 0.07
HSL	167°, 78%, 70%
HSV	167°, 50%, 93%
XYZ	50.0659, 69.8245, 73.1261
YIQ	199.4550, -62.5780, -33.3140

# Conversions

## Conversions Part 2

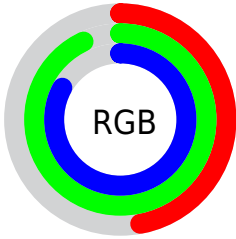
Format	Color
<b>RYB</b>	119, 186, 238
Decimal	7859924
CIELab	86.91, -39.78, 2.29
CIELCh	87, 39.842, 176.711
Yxy	69.8245, 0.2594, 0.3618
Android (android.graphics.Color)	4286050004 (0xFF77EED4)
YUV	199.4550, 6.1847, -70.5590
Hunter-Lab	83.5611, -39.2829, 6.6068

# Details

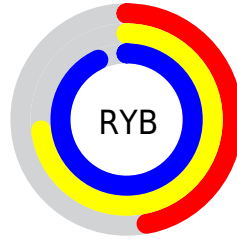
The XYZ color **50.0659, 69.8245, 73.1261** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **46.9698, 33.4169, 30.7649**, and the grayscale version is **54.5572, 57.3984, 62.5069**.

A 20% lighter version of the original color is **72.1701, 88.2050, 107.8292**, and **24.2406, 36.3228, 37.6317** is the 20% darker color. If you saturate the color by 10%, you get **46.5544, 68.0906, 69.5933**, and if you desaturate by 10%, it is **54.4203, 71.9940, 76.8117**.

# Distribution



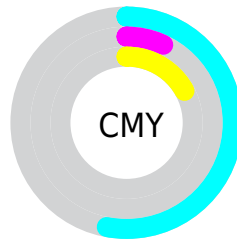
- Red (47%)
- Green (93%)
- Blue (83%)



- Red (47%)
- Yellow (73%)
- Blue (93%)



- Cyan (50%)
- Magenta (0%)
- Yellow (11%)
- Black (7%)




- Cyan (53%)
- Magenta (7%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.0659, 69.8245, 73.1261 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 50.0659, 69.8245, 73.1261 by changing the saturation by 10% instead.





 50.0659, 69.8245,  
73.1261


 50.0659, 69.8245,  
73.1261


377.3713,  
459.9336, 490.5342


 35.6838, 51.3835,  
53.5866


 89.4637, 118.9584,  
125.3788

 24.3590, 36.5139,  
37.8804


 115.2102,  
150.4202, 158.9291

 15.7264, 24.8313,  
25.5887


 145.4754,  
186.9909, 197.9867

 9.4203, 15.9514,  
16.2932

180.6248,  
229.0550, 242.9703

 5.0756, 9.4898,  
9.5753

221.0238,  
276.9970, 294.2983

 2.3269, 5.0620,  
5.0164

267.0376,

 0.8084, 2.2837,

331.2011, 352.3892

2.1980

319.0317,  
392.0518, 417.6617

■ 0.0000, 0.7651,  
0.6732

■ 0.0000, 0.0000,  
0.0000

■ 50.0659, 69.8245,  
73.1261

■ 50.0659, 69.8245,  
73.1261

■ 46.5544, 68.0906,  
69.5933

■ 54.4203, 71.9940,  
76.8117

■ 43.8174, 66.7518,  
66.2046


■ 59.6675, 74.6195,  
80.6489


■ 41.7854, 65.7740,  
62.9571


■ 65.8608, 77.7303,  
84.6427


■ 40.3737, 65.1137,  
59.8458


■ 73.0472, 81.3505,  
88.7963


 39.4386, 64.6967,  
56.8630

 81.2708, 85.5029,  
93.1127

 39.4386, 64.6966,  
56.8628

 88.0244, 88.8950,  
97.4755

 88.8220, 89.2140,  
101.6758

 89.6421, 89.5421,  
105.9943

 89.8658, 89.6315,  
107.1719

# Harmonies

## Analogous

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



52.5120, 69.8245, 51.2390



50.0659, 69.8245, 73.1261



51.6391, 69.8245, 101.4489

# Triad

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



50.0659, 69.8245, 73.1261



74.7330, 69.8245, 131.5667



76.6732, 69.8245, 40.7490

# Complementary

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



50.0659, 69.8245, 73.1261



46.9698, 33.4169, 30.7649

# 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.



83.6565, 69.8245, 55.2520



50.0659, 69.8245, 73.1261



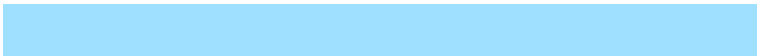
82.4648, 69.8245, 107.7439

# Square

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



50.0659, 69.8245, 73.1261



65.3453, 69.8245, 139.4761



85.8681, 69.8245, 79.0036



67.3975, 69.8245, 35.5023

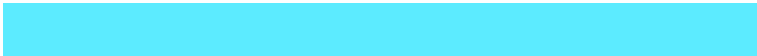


# Rectangle

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



50.0659, 69.8245, 73.1261



54.8439, 69.8245, 119.7314



85.8681, 69.8245, 79.0036



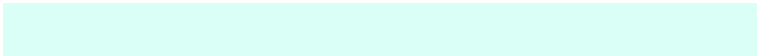
79.3986, 69.8245, 44.5090

# Sweetspot

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



50.0679, 69.8273, 73.1277



81.0343, 92.9268, 101.3721



45.8972, 68.6653, 28.2886



16.9701, 19.7015, 21.4788



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.



50.0679, 69.8273, 73.1277



54.3665, 79.5956, 81.3025



45.1780, 54.3685, 89.0052



16.0909, 17.8664, 19.5015



22.0521, 36.1128, 31.9868



1.8707, 3.0187, 2.8514



# Inverse Universe

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



46.9698, 33.4169, 30.7649



50.3950, 32.5242, 26.7029



49.6156, 41.5585, 22.8604



15.9142, 15.8154, 17.1042



20.0565, 10.2950, 2.9480

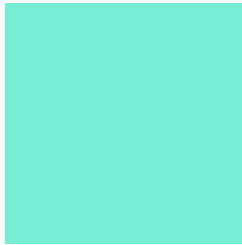


1.7044, 0.8708, 0.4344



# Previews

## White Background



This preview shows how the XYZ color 50.0659, 69.8245, 73.1261 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

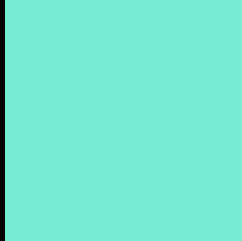
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.0659, 69.8245, 73.1261 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

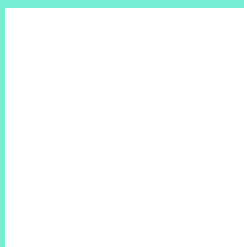
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 50.0659, 69.8245, 73.1261

## Background



This preview shows how black text looks on a background with the XYZ color 50.0659, 69.8245, 73.1261.



This preview shows how white text looks on a background with the XYZ color 50.0659, 69.8245,



# 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

50.0659, 69.8245, 73.1261

### Protanopia

65.4662, 68.6183, 64.4378

### Deuteranopia

70.0474, 68.4958, 75.8588



## Tritanopia

55.6293, 69.5036, 101.7503

# Trichromacy



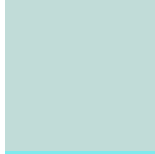
## Original Color

50.0659, 69.8245, 73.1261



## Protanomaly

57.5365, 67.5741, 67.1374



## Deuteranomaly

59.9802, 67.4817, 74.8297



## Tritanomaly

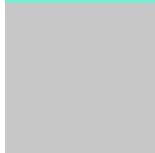
53.4613, 69.4721, 90.7125

# Monochromacy



## Original Color

50.0659, 69.8245, 73.1261



## Achromatopsia

54.2854, 57.1125, 62.1955



## Achromatomaly

51.2709, 60.4942, 66.1010

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.0659, 69.8245, 73.1261 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(119, 238, 212)` looks like.

```
.text, #text, p{  
    color:rgb(119, 238, 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(119, 238, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 238, 212) }
```

## Border

The CSS property to change the border of an element to XYZ 50.0659, 69.8245, 73.1261 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(119, 238, 212) }
```



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

```
.border{ border-color:rgb(119, 238, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 238, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 238, 212); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 238, 212); box-shadow:4px 4px 4px 4px rgb(119, 238, 212) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.0659, 69.8245, 73.1261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 238, 212) }
```

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

```
.background{ background-color: rgb(119,  
238, 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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