

Converting Colors

XYZ(49.8098, 63.9071, 77.1748)

Have a look what the booklet for
XYZ(49.8098, 63.9071, 77.1748)
contains.

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Color

**XYZ(49.7273, 63.7129,
77.3871)**

Conversions

Conversions Part 1

Format	Color
Hex	88E0DC
RGB	136, 224, 220
RGB Percent	53%, 88%, 86%
CMY	0.4667, 0.1216, 0.1372
CMYK	0.39, 0.00, 0.02, 0.12
HSL	177°, 59%, 71%
HSV	177°, 39%, 88%
XYZ	49.7273, 63.7129, 77.3871
YIQ	197.2320, -51.1640, -19.9000

Conversions

Conversions Part 2

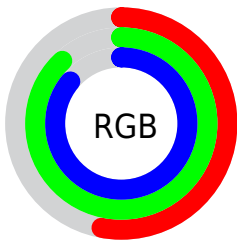
Format	Color
RYB	136, 181, 224
Decimal	8970460
CIELab	83.82, -27.35, -6.39
CIELCh	84, 28.085, 193.146
Yxy	63.7129, 0.2606, 0.3339
Android (android.graphics.Color)	4287160540 (0xFF88E0DC)
YUV	197.2320, 11.2246, -53.7005
Hunter-Lab	79.8204, -28.4819, -1.6083

Details

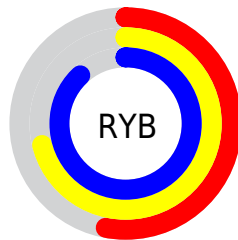
The XYZ color **49.7273, 63.7129, 77.3871** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **44.2805, 35.3509, 29.3029**, and the grayscale version is **53.1691, 55.9380, 60.9165**.

A 20% lighter version of the original color is **75.8023, 90.0775, 107.9992**, and **24.0186, 32.3841, 40.5822** is the 20% darker color. If you saturate the color by 10%, you get **46.3286, 61.9779, 76.5271**, and if you desaturate by 10%, it is **53.8908, 65.8452, 78.2899**.

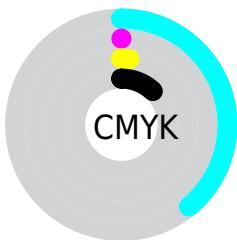
Distribution



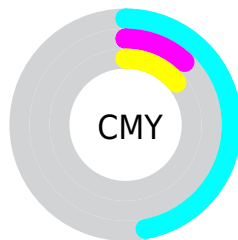
- Red (53%)
- Green (88%)
- Blue (86%)



- Red (53%)
- Yellow (71%)
- Blue (88%)



- Cyan (39%)
- Magenta (0%)
- Yellow (2%)
- Black (12%)





- Cyan (47%)
- Magenta (12%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.7273, 63.7129, 77.3871 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 49.7273, 63.7129, 77.3871 by changing the saturation by 10% instead.


 49.7273, 63.7129,
77.3871


 49.7273, 63.7129,
77.3871


376.0682,
438.1521, 505.5555


 35.4137, 46.4182,
57.0572


 88.9649, 110.1974,
131.4638

 24.1497, 32.5759,
40.6415


 114.6197,
140.1559, 166.0476

 15.5701, 21.8018,
27.7215


 144.7855,
175.1045, 206.2198

 9.3093, 13.7113,
17.8786

179.8277,
215.4275, 252.3989

 5.0022, 7.9202,
10.6943

220.1118,
261.5094, 305.0035

 2.2833, 4.0439,
5.7501

266.0030,

 0.7861, 1.6982,

313.7346, 364.4521

2.6274

317.8667,
372.4873, 431.1633

■ 0.0000, 0.4225,
0.9066

■ 0.0000, 0.0000,
0.0000

■ 49.7273, 63.7129,
77.3871

■ 49.7273, 63.7129,
77.3871

■ 46.3286, 61.9779,
76.5271

■ 53.8908, 65.8452,
78.2899

■ 43.6413, 60.6080,
75.7034

■ 58.8571, 68.3896,
79.2332

■ 41.6143, 59.5784,
74.9148

■ 64.6683, 71.3696,
80.2204

■ 40.1868, 58.8578,
74.1585

■ 71.3621, 74.8045,
81.2532

■ 39.2873, 58.4092,
73.4312

■ 78.9738, 78.7124,
82.3333

■ 38.8002, 58.1732,
72.7275

■ 81.6399, 80.0707,
83.1862

■ 38.7708, 58.1591,
72.6776

■ 81.7803, 80.1269,
83.9253

■ 81.9215, 80.1834,
84.6687

■ 82.0635, 80.2402,
85.4166

Harmonies

Analogous

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



49.9017, 63.7129, 59.9836



49.7273, 63.7129, 77.3871



52.3101, 63.7129, 95.2875

Triad

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



49.7273, 63.7129, 77.3871



69.0346, 63.7129, 97.2209



64.0611, 63.7129, 41.6800

Complementary

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



49.7273, 63.7129, 77.3871



44.2805, 35.3509, 29.3029

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.



69.6286, 63.7129, 48.6418



49.7273, 63.7129, 77.3871



72.6309, 63.7129, 79.6933

Square

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



49.7273, 63.7129, 77.3871



63.2946, 63.7129, 107.9809



72.8553, 63.7129, 61.9313



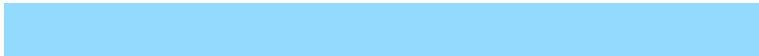
57.8999, 63.7129, 41.2763

Rectangle

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



49.7273, 63.7129, 77.3871



55.3565, 63.7129, 104.2996



72.8553, 63.7129, 61.9313



66.0738, 63.7129, 43.2690

Sweetspot

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



49.7292, 63.7154, 77.3886



84.4513, 94.5620, 107.2386



41.9843, 60.7017, 32.7978



17.8515, 20.1250, 22.9159



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.



49.7292, 63.7154, 77.3886



62.9605, 83.5572, 102.8820



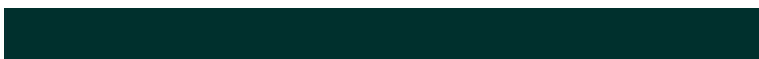
40.8336, 45.0656, 77.0702



14.0882, 15.5610, 17.4999



22.5785, 33.8563, 42.3651



1.5735, 2.3501, 2.9810

Inverse Universe

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



44.2805, 35.3509, 29.3029



54.7030, 40.5411, 29.9860



50.6337, 48.5212, 29.9908



13.7324, 13.7106, 14.3609



17.9370, 9.2418, 1.0683



1.2523, 0.6442, 0.1216

Previews

White Background



This preview shows how the XYZ color 49.7273, 63.7129, 77.3871 looks on a white background.

Color Contrast Check

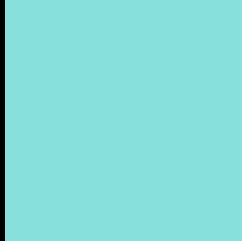
Large Text (above 18pt) WCAG AA × Fail

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 49.7273, 63.7129, 77.3871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

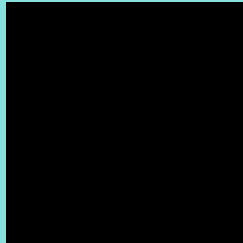
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

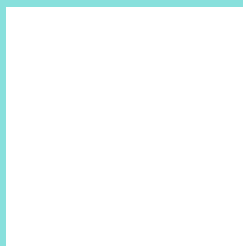
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.7273, 63.7129, 77.3871

Background



This preview shows how black text looks on a background with the XYZ color 49.7273, 63.7129, 77.3871.

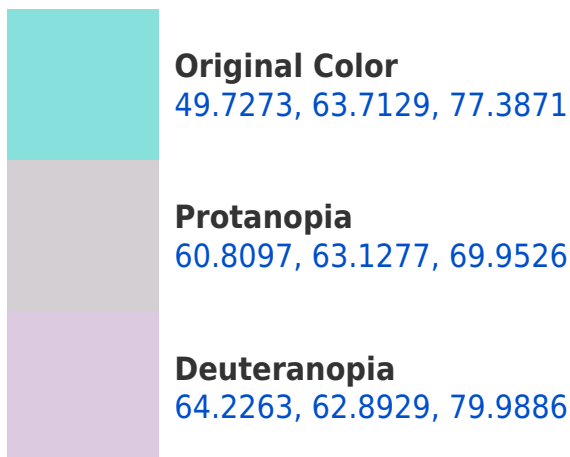


This preview shows how white text looks on a background with the XYZ color 49.7273, 63.7129,

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

52.4209, 63.6076, 91.1760

Trichromacy



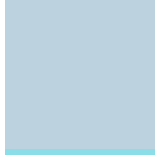
Original Color

49.7273, 63.7129, 77.3871



Protanomaly

55.6990, 62.6339, 72.7722



Deuteranomaly

57.3521, 62.2397, 78.8027



Tritanomaly

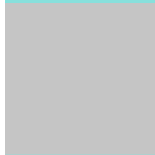
51.3342, 63.5577, 85.9062

Monochromacy



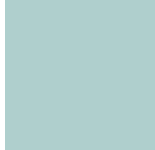
Original Color

49.7273, 63.7129, 77.3871



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

51.0115, 58.1474, 66.2926

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7273, 63.7129, 77.3871 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(136, 224, 220) looks like.

```
.text, #text, p{  
    color:rgb(136, 224, 220)  
}
```

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(136, 224, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 224, 220) }
```

Border

The CSS property to change the border of an element to XYZ 49.7273, 63.7129, 77.3871 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(136, 224, 220) }
```


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

```
.border{ border-color:rgb(136, 224, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 224, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 224, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 224, 220);  
box-shadow:4px 4px 4px 4px rgb(136, 224,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7273, 63.7129, 77.3871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 224, 220) }
```

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

```
.background{ background-color: rgb(136,  
224, 220) }
```

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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