

# Converting Colors

XYZ(48.7847, 65.7827, 72.4135)

Have a look what the booklet for  
XYZ(48.7847, 65.7827, 72.4135)  
contains.

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# Color

**XYZ(48.7847, 65.7827,  
72.4135)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7EE6D4
RGB	126, 230, 212
RGB Percent	49%, 90%, 83%
CMY	0.5059, 0.0980, 0.1686
CMYK	0.45, 0.00, 0.08, 0.10
HSL	170°, 68%, 70%
HSV	170°, 45%, 90%
XYZ	48.7847, 65.7827, 72.4135
YIQ	196.8520, -56.2060, -27.6460

# Conversions

## Conversions Part 2

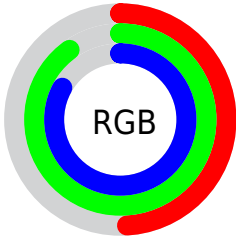
Format	Color
<a href="#">RYB</a>	<a href="#">126, 183, 230</a>
Decimal	<a href="#">8316628</a>
CIELab	<a href="#">84.89, -34.52, -0.64</a>
CIELCh	<a href="#">85, 34.527, 181.054</a>
Yxy	<a href="#">65.7827, 0.2609, 0.3518</a>
Android (android.graphics.Color)	<a href="#">4286506708</a> ( <a href="#">0xFF7EE6D4</a> )
YUV	<a href="#">196.8520, 7.4680, -62.1372</a>
Hunter-Lab	<a href="#">81.1065, -34.5706, 3.8393</a>

# Details

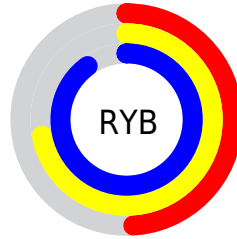
The XYZ color **48.7847, 65.7827, 72.4135** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **45.1303, 33.7602, 30.5258**, and the grayscale version is **52.9639, 55.7222, 60.6815**.

A 20% lighter version of the original color is **73.5772, 88.9303, 107.8951**, and **23.5366, 33.8997, 37.2011** is the 20% darker color. If you saturate the color by 10%, you get **45.2795, 64.0347, 69.6611**, and if you desaturate by 10%, it is **53.0856, 67.9428, 75.2706**.

# Distribution



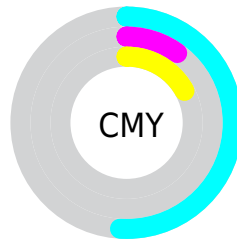
- Red (49%)
- Green (90%)
- Blue (83%)



- Red (49%)
- Yellow (72%)
- Blue (90%)



- Cyan (45%)
- Magenta (0%)
- Yellow (8%)
- Black (10%)



- Cyan (51%)
- Magenta (10%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.7847, 65.7827, 72.4135 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 48.7847, 65.7827, 72.4135 by changing the saturation by 10% instead.





 48.7847, 65.7827,  
72.4135


 48.7847, 65.7827,  
72.4135


372.4251,  
445.5993, 487.9957


 34.6626, 48.0960,  
53.0076


 87.5742, 113.1744,  
124.3574

 23.5683, 33.9029,  
37.4211


 112.9724,  
143.6482, 157.7326

 15.1367, 22.8190,  
25.2354

 142.8598,  
179.1532, 196.6012

 9.0023, 14.4599,  
16.0319

177.6020,  
220.0737, 241.3819

 4.7998, 8.4413,  
9.3921

217.5643,  
266.7942, 292.4931

 2.1638, 4.3786,  
4.8975

263.1120,

 0.7236, 1.8875,

319.6990, 350.3535

2.1296

314.6105,  
379.1726, 415.3815

■ 0.0000, 0.5408,  
0.6333

■ 0.0000, 0.0000,  
0.0000

■ 48.7847, 65.7827,  
72.4135

■ 48.7847, 65.7827,  
72.4135

■ 45.2795, 64.0347,  
69.6611

■ 53.0856, 67.9428,  
75.2706

■ 42.5102, 62.6629,  
67.0060


■ 58.2258, 70.5324,  
78.2307


■ 40.4175, 61.6386,  
64.4462


■ 64.2521, 73.5775,  
81.2979


■ 38.9302, 60.9249,  
61.9780


■ 71.2065, 77.0995,  
84.4744


 37.9609, 60.4770,  
59.5969


 79.1281, 81.1186,  
87.7627

 37.6130, 60.3219,  
58.4854

 84.6622, 83.9055,  
91.0061

 85.2469, 84.1394,  
94.0852

 85.8446, 84.3785,  
97.2326

 86.4554, 84.6228,  
100.4489

# Harmonies

## Analogous

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



50.3764, 65.7827, 52.9025



48.7847, 65.7827, 72.4135



50.6140, 65.7827, 95.9581

# Triad

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



48.7847, 65.7827, 72.4135



70.5259, 65.7827, 114.7319



70.0131, 65.7827, 40.4097

# Complementary

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



48.7847, 65.7827, 72.4135



45.1303, 33.7602, 30.5258

# 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.



76.1707, 65.7827, 51.8000



48.7847, 65.7827, 72.4135



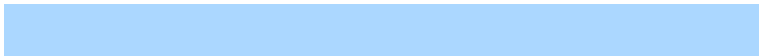
76.4835, 65.7827, 94.3163

# Square

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



48.7847, 65.7827, 72.4135



62.7988, 65.7827, 123.2952



78.6285, 65.7827, 70.8446



62.2510, 65.7827, 36.8843



# Rectangle

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



48.7847, 65.7827, 72.4135



53.6223, 65.7827, 110.1835



78.6285, 65.7827, 70.8446



72.3612, 65.7827, 43.3112

# Sweetspot

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



48.7866, 65.7853, 72.4150



82.1346, 93.4550, 103.1854



43.7536, 64.1285, 29.8120



17.1994, 19.8106, 21.9027



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

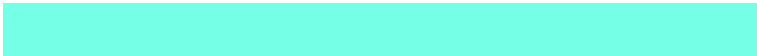


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



48.7866, 65.7853, 72.4150



57.5835, 81.1015, 88.3423



42.8706, 50.1139, 82.2792



14.6947, 16.2913, 17.9232



21.3339, 34.1657, 33.3223



1.6048, 2.5361, 2.6116



# Inverse Universe

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



45.1303, 33.7602, 30.5258



52.4541, 35.9797, 29.4324



48.7879, 43.1049, 25.4887



14.4783, 14.4085, 15.4532



18.7210, 9.6226, 2.1599

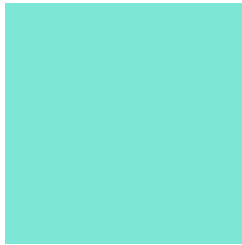


1.4136, 0.7232, 0.3186



# Previews

## White Background



This preview shows how the XYZ color 48.7847, 65.7827, 72.4135 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

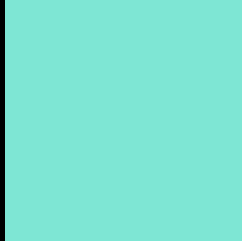
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.7847, 65.7827, 72.4135 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

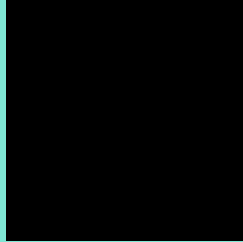
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 48.7847, 65.7827, 72.4135**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.7847, 65.7827, 72.4135.



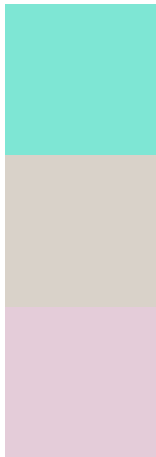
This preview shows how white text looks on a background with the XYZ color 48.7847, 65.7827,



# 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

48.7847, 65.7827, 72.4135

### Protanopia

62.2045, 65.0619, 64.5380

### Deuteranopia

66.1122, 64.6895, 74.6475



## Tritanopia

53.2460, 65.5330, 95.4307

# Trichromacy



## Original Color

48.7847, 65.7827, 72.4135



## Protanomaly

55.5995, 64.2238, 67.2236



## Deuteranomaly

57.5458, 63.5712, 73.5274



## Tritanomaly

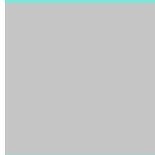
51.5503, 65.6699, 86.3025

# Monochromacy



## Original Color

48.7847, 65.7827, 72.4135



## Achromatopsia

53.0703, 55.8340, 60.8033



## Achromatomaly

50.2557, 58.5231, 64.5244

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.7847, 65.7827, 72.4135 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(126, 230, 212)` looks like.

```
.text, #text, p{  
    color:rgb(126, 230, 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(126, 230, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 230, 212) }
```

## Border

The CSS property to change the border of an element to XYZ 48.7847, 65.7827, 72.4135 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(126, 230, 212) }
```



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

```
.border{ border-color:rgb(126, 230, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 230, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 230, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 230, 212);  
box-shadow:4px 4px 4px 4px rgb(126, 230,  
212) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.7847, 65.7827, 72.4135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 230, 212) }
```

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

```
.background{ background-color: rgb(126,  
230, 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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