

# Converting Colors

XYZ(48.9670, 62.1422, 82.6396)

Have a look what the booklet for  
XYZ(48.9670, 62.1422, 82.6396)  
contains.

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# Color

**XYZ(48.9133, 61.9815,  
82.7844)**

# Conversions

## Conversions Part 1

Format	Color
Hex	81DDE4
RGB	129, 221, 228
RGB Percent	51%, 87%, 89%
CMY	0.4941, 0.1333, 0.1059
CMYK	0.43, 0.03, 0.00, 0.11
HSL	184°, 65%, 70%
HSV	184°, 43%, 89%
XYZ	48.9133, 61.9815, 82.7844
YIQ	194.2900, -57.0790, -17.3270

# Conversions

## Conversions Part 2

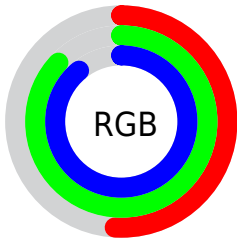
<b>Format</b>	<b>Color</b>
<b>RYB</b>	129, 177, 228
Decimal	8510948
CIELab	82.90, -25.63, -12.02
CIELCh	83, 28.305, 205.123
Yxy	61.9815, 0.2525, 0.3200
Android (android.graphics.Color)	4286701028 (0xFF81DDE4)
YUV	194.2900, 16.6190, -57.2593
Hunter-Lab	78.7283, -26.8739, -7.2348

# Details

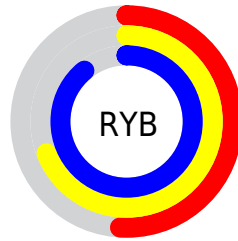
The XYZ color **48.9133, 61.9815, 82.7844** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **44.7625, 35.6882, 25.2996**, and the grayscale version is **51.3803, 54.0561, 58.8671**.

A 20% lighter version of the original color is **74.3035, 89.3048, 107.9291**, and **23.7776, 31.6292, 44.3870** is the 20% darker color. If you saturate the color by 10%, you get **45.4059, 59.5461, 82.5003**, and if you desaturate by 10%, it is **53.2012, 64.8282, 83.1089**.

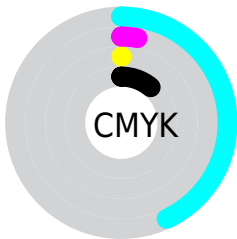
# Distribution



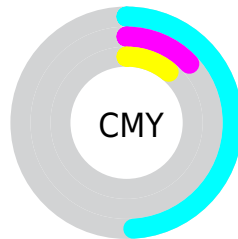
- Red (51%)
- Green (87%)
- Blue (89%)



- Red (51%)
- Yellow (69%)
- Blue (89%)



- Cyan (43%)
- Magenta (3%)
- Yellow (0%)
- Black (11%)




- Cyan (49%)
- Magenta (13%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.9133, 61.9815, 82.7844 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 48.9133, 61.9815, 82.7844 by changing the saturation by 10% instead.




 48.9133, 61.9815,  
82.7844


 48.9133, 61.9815,  
82.7844


372.9235,  
431.8636, 524.2199


 34.7650, 45.0178,  
61.4727


 87.7642, 107.6988,  
139.1200

 23.6475, 31.4714,  
44.1738


 113.1974,  
137.2211, 174.9810

 15.1957, 20.9581,  
30.4689


 143.1230,  
171.6984, 216.5288

 9.0441, 13.0934,  
19.9397

177.9063,  
211.5151, 264.1821

 4.8273, 7.4929,  
12.1676

217.9126,  
257.0556, 318.3593

 2.1800, 3.7722,  
6.7340

263.5074,

 0.7322, 1.5470,

308.7042, 379.4789

3.2204

315.0559,  
366.8454, 447.9596

■ 0.0000, 0.3214,  
1.2082

■ 0.0000, 0.0000,  
0.0000

■ 48.9133, 61.9815,  
82.7844

■ 48.9133, 61.9815,  
82.7844

■ 45.4059, 59.5461,  
82.5003

■ 53.2012, 64.8282,  
83.1089

■ 42.6214, 57.4880,  
82.2498


■ 58.3111, 68.1033,  
83.4718


■ 40.5031, 55.7794,  
82.0316


■ 64.2884, 71.8316,  
83.8764


■ 38.9838, 54.3856,  
81.8427


■ 71.1735, 76.0340,  
84.3246


 37.9814, 53.2643,  
81.6791


 79.0041, 80.7300,  
84.8183

 37.5186, 52.6311,  
81.5812

 83.7284, 83.8308,  
85.1679

 84.1808, 84.7355,  
85.3186

 84.6373, 85.6485,  
85.4708

 85.0979, 86.5698,  
85.6244

# Harmonies

## Analogous

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



47.9762, 61.9815, 64.6705



48.9133, 61.9815, 82.7844



52.4533, 61.9815, 98.9817

# Triad

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



48.9133, 61.9815, 82.7844



69.0720, 61.9815, 88.5852



59.9147, 61.9815, 39.2356

# Complementary

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



48.9133, 61.9815, 82.7844



44.7625, 35.6882, 25.2996

# 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.



65.8793, 61.9815, 43.5014



48.9133, 61.9815, 82.7844



71.3938, 61.9815, 70.3847

# Square

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



48.9133, 61.9815, 82.7844



64.0353, 61.9815, 102.7157



70.1871, 61.9815, 54.2012



54.0687, 61.9815, 41.4042

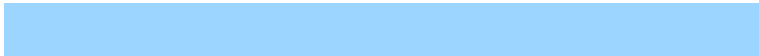


# Rectangle

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



48.9133, 61.9815, 82.7844



55.9500, 61.9815, 105.4558



70.1871, 61.9815, 54.2012



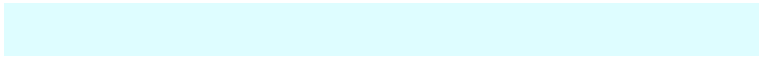
61.9758, 61.9815, 39.9397

# Sweetspot

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



48.9152, 61.9839, 82.7859



83.1453, 92.7600, 108.1300



41.2135, 61.9214, 32.9251



17.4072, 19.6139, 23.1184



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.



48.9152, 61.9839, 82.7859



58.9753, 77.0718, 106.3758



37.7918, 39.7371, 79.0781



14.7157, 16.1528, 18.4865



21.7011, 30.4643, 47.1196



1.6299, 2.3038, 3.4907



# Inverse Universe

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



52.8978, 37.4165, 72.8434



64.8261, 41.9085, 91.5615



53.3286, 52.8202, 28.1550



14.9488, 14.5967, 17.9309



25.3472, 12.2731, 37.0530

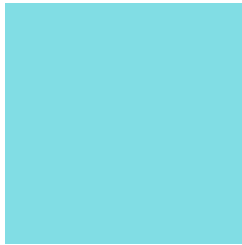


1.8863, 0.9122, 2.8080



# Previews

## White Background



This preview shows how the XYZ color 48.9133, 61.9815, 82.7844 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

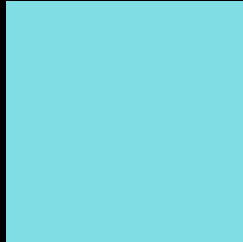
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.9133, 61.9815, 82.7844 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

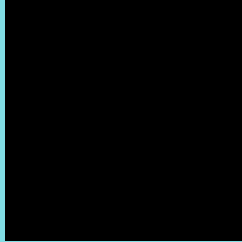
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 48.9133, 61.9815, 82.7844

## Background



This preview shows how black text looks on a background with the XYZ color 48.9133, 61.9815, 82.7844.



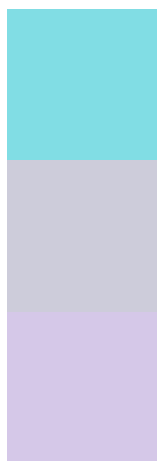
This preview shows how white text looks on a background with the XYZ color 48.9133, 61.9815,



# 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

48.9133, 61.9815, 82.7844

### Protanopia

59.4246, 61.2268, 75.0156

### Deuteranopia

62.6603, 61.2809, 84.8698



## Tritanopia

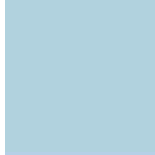
50.3950, 62.2064, 89.4717

# Trichromacy



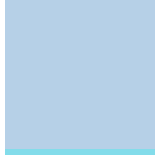
## Original Color

48.9133, 61.9815, 82.7844



## Protanomaly

54.3629, 60.7142, 77.9610



## Deuteranomaly

56.2711, 60.8264, 84.3762



## Tritanomaly

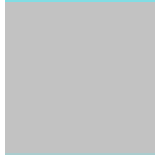
49.8046, 61.9522, 87.1749

# Monochromacy



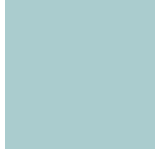
## Original Color

48.9133, 61.9815, 82.7844



## Achromatopsia

51.2775, 53.9479, 58.7493



## Achromatomaly

49.3110, 56.1880, 66.6389

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.9133, 61.9815, 82.7844 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(129, 221, 228)` looks like.

```
.text, #text, p{  
    color:rgb(129, 221, 228)  
}
```

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(129, 221, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 221, 228) }
```

## Border

The CSS property to change the border of an element to XYZ 48.9133, 61.9815, 82.7844 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(129, 221, 228) }
```



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

```
.border{ border-color:rgb(129, 221, 228) }
```

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

Here you see how a box with a 4 pixel rgb(129, 221, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 221, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 221, 228);  
box-shadow:4px 4px 4px 4px rgb(129, 221,  
228) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.9133, 61.9815, 82.7844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 221, 228) }
```

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

```
.background{ background-color: rgb(129,  
221, 228) }
```

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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