

# Converting Colors

XYZ(49.2576, 61.3018, 77.8865)

Have a look what the booklet for  
XYZ(49.2576, 61.3018, 77.8865)  
contains.

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# Color

**XYZ(49.3672, 61.5462,  
77.6843)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8DDBDD
RGB	141, 219, 221
RGB Percent	55%, 86%, 87%
CMY	0.4470, 0.1412, 0.1333
CMYK	0.36, 0.01, 0.00, 0.13
HSL	181°, 54%, 71%
HSV	181°, 36%, 87%
XYZ	49.3672, 61.5462, 77.6843
YIQ	195.9060, -47.1300, -15.9140

# Conversions

## Conversions Part 2

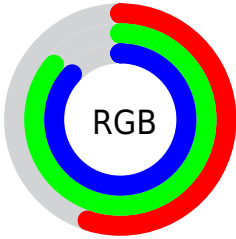
<b>Format</b>	<b>Color</b>
<b>RYB</b>	141, 180, 221
Decimal	9296861
CIELab	82.67, -23.39, -8.59
CIELCh	83, 24.918, 200.163
Yxy	61.5462, 0.2618, 0.3263
Android (android.graphics.Color)	4287486941 (0xFF8DDBDD)
YUV	195.9060, 12.3713, -48.1526
Hunter-Lab	78.4514, -24.9650, -3.7943

# Details

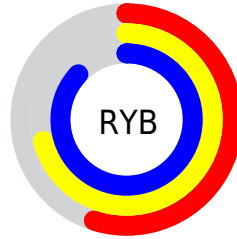
The XYZ color **49.3672, 61.5462, 77.6843** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.4499, 36.9410, 29.9883**, and the grayscale version is **52.3630, 55.0899, 59.9929**.

A 20% lighter version of the original color is **77.0987, 90.7458, 108.0599**, and **23.9961, 31.2825, 40.8498** is the 20% darker color. If you saturate the color by 10%, you get **45.8347, 59.5132, 77.4791**, and if you desaturate by 10%, it is **53.6537, 63.9715, 77.9276**.

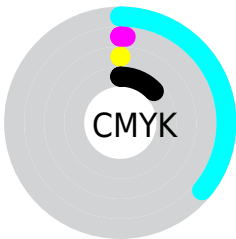
# Distribution



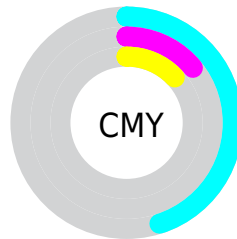
- Red (55%)
- Green (86%)
- Blue (87%)



- Red (55%)
- Yellow (71%)
- Blue (87%)



- Cyan (36%)
- Magenta (1%)
- Yellow (0%)
- Black (13%)




- Cyan (45%)
- Magenta (14%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.3672, 61.5462, 77.6843 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 49.3672, 61.5462, 77.6843 by changing the saturation by 10% instead.





 49.3672, 61.5462,  
77.6843


 49.3672, 61.5462,  
77.6843


374.6791,  
430.2738, 506.5935

 35.1266, 44.6661,  
57.2998


 88.4340, 107.0694,  
131.8868

 23.9274, 31.1945,  
40.8350


 113.9910,  
136.4813, 166.5419

 15.4042, 20.7470,  
27.8715


144.0507,  
170.8393, 206.7908

 9.1917, 12.9392,  
17.9906

178.9786,  
210.5277, 253.0523

 4.9245, 7.3867,  
10.7739

219.1401,  
255.9310, 305.7447

 2.2374, 3.7051,  
5.8027

264.9004,

 0.7623, 1.5100,

307.4335, 365.2867

2.6587

316.6250,  
365.4196, 432.0968

■ 0.0000, 0.2958,  
0.9225

■ 0.0000, 0.0000,  
0.0000

■ 49.3672, 61.5462,  
77.6843

■ 49.3672, 61.5462,  
77.6843

■ 45.8347, 59.5132,  
77.4791

■ 53.6537, 63.9715,  
77.9276

■ 43.0057, 57.8421,  
77.3057

■ 58.7297, 66.8031,  
78.2066

■ 40.8326, 56.5099,  
77.1631

■ 64.6352, 70.0631,  
78.5246

■ 39.2592, 55.4875,  
77.0487

■ 71.4059, 73.7697,  
78.8832

■ 38.2201, 54.7413,  
76.9594

■ 79.0755, 77.9405,  
79.2840

■ 37.6337, 54.2291,  
76.8914

■ 80.4964, 78.8906,  
79.3925

■ 37.4749, 54.0676,  
76.8686

■ 80.6435, 79.1848,  
79.4415

■ 80.7911, 79.4800,  
79.4907

■ 80.9391, 79.7761,  
79.5401

# Harmonies

## Analogous

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



48.9407, 61.5462, 62.1074



49.3672, 61.5462, 77.6843



52.1553, 61.5462, 92.2627

# Triad

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



49.3672, 61.5462, 77.6843



66.7534, 61.5462, 87.7022



60.2721, 61.5462, 41.9856

# Complementary

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



49.3672, 61.5462, 77.6843



44.4499, 36.9410, 29.9883

# 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.



65.3347, 61.5462, 46.8501



49.3672, 61.5462, 77.6843



69.2245, 61.5462, 72.1711

# Square

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



49.3672, 61.5462, 77.6843



62.1139, 61.5462, 98.6299



68.6901, 61.5462, 57.3673



55.0249, 61.5462, 42.9980



# Rectangle

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



49.3672, 61.5462, 77.6843



55.0776, 61.5462, 98.7040



68.6901, 61.5462, 57.3673



62.0567, 61.5462, 42.9554

# Sweetspot

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



49.3690, 61.5486, 77.6857



85.2497, 94.6167, 108.3774



41.7498, 59.3399, 34.9774



18.0100, 20.1210, 23.1845



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.



49.3690, 61.5486, 77.6857



64.6815, 83.0570, 107.2303



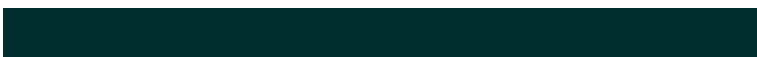
40.2911, 43.3928, 74.6597



13.4155, 14.7708, 16.7961



21.7826, 31.4346, 44.6578



1.4202, 2.0545, 2.8962



# Inverse Universe

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



52.1314, 39.5379, 71.9044



69.0312, 48.6628, 98.0677



51.4241, 50.8893, 32.3131



13.5996, 13.2689, 16.4188



24.4902, 11.7971, 38.5568

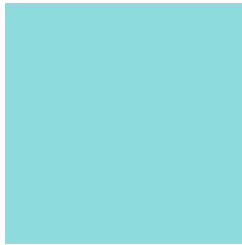


1.5911, 0.7661, 2.5219



# Previews

## White Background



This preview shows how the XYZ color 49.3672, 61.5462, 77.6843 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

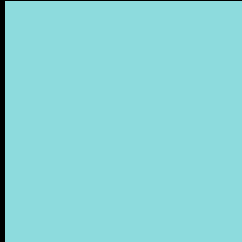
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.3672, 61.5462, 77.6843 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 49.3672, 61.5462, 77.6843**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.3672, 61.5462, 77.6843.



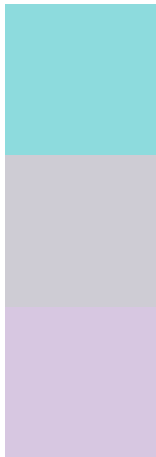
This preview shows how white text looks on a background with the XYZ color 49.3672, 61.5462,



# 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

49.3672, 61.5462, 77.6843

### Protanopia

58.9301, 61.0610, 70.9674

### Deuteranopia

62.0384, 60.7302, 79.6865



## Tritanopia

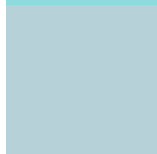
51.1657, 61.4955, 87.0150

# Trichromacy



## Original Color

49.3672, 61.5462, 77.6843



## Protanomaly

54.3576, 60.4523, 73.0935



## Deuteranomaly

56.2649, 60.2158, 79.1783



## Tritanomaly

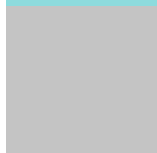
50.5420, 61.6396, 83.3625

# Monochromacy



## Original Color

49.3672, 61.5462, 77.6843



## Achromatopsia

52.4687, 55.2011, 60.1140



## Achromatomaly

50.5168, 56.8236, 66.0631

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.3672, 61.5462, 77.6843 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(141, 219, 221)` looks like.

```
.text, #text, p{  
    color:rgb(141, 219, 221)  
}
```

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(141, 219, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 219, 221) }
```

## Border

The CSS property to change the border of an element to XYZ 49.3672, 61.5462, 77.6843 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(141, 219, 221) }
```



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

```
.border{ border-color:rgb(141, 219, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 219, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 219, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 219, 221);  
box-shadow:4px 4px 4px 4px rgb(141, 219,  
221) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.3672, 61.5462, 77.6843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 219, 221) }
```

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

```
.background{ background-color: rgb(141,  
219, 221) }
```

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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