

# Converting Colors

XYZ(49.0702, 61.7654, 84.8313)

Have a look what the booklet for  
XYZ(49.0702, 61.7654, 84.8313)  
contains.

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# Color

**XYZ(49.0703, 61.6230,  
84.9095)**

# Conversions

## Conversions Part 1

Format	Color
Hex	81DCE7
RGB	129, 220, 231
RGB Percent	51%, 86%, 91%
CMY	0.4941, 0.1372, 0.0941
CMYK	0.44, 0.05, 0.00, 0.09
HSL	186°, 68%, 71%
HSV	186°, 44%, 91%
XYZ	49.0703, 61.6230, 84.9095
YIQ	194.0450, -57.7670, -15.8710

# Conversions

## Conversions Part 2

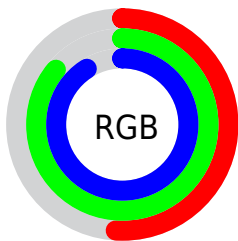
<b>Format</b>	<b>Color</b>
<b>RYB</b>	129, 177, 231
Decimal	8510695
CIELab	82.71, -24.38, -13.90
CIELCh	83, 28.058, 209.686
Yxy	61.6230, 0.2509, 0.3150
Android (android.graphics.Color)	4286700775 (0xFF81DCE7)
YUV	194.0450, 18.2188, -57.0445
Hunter-Lab	78.5003, -25.7958, -9.1805

# Details

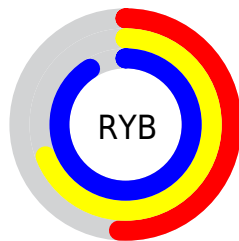
The XYZ color **49.0703, 61.6230, 84.9095** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **46.2968, 37.3313, 25.5362**, and the grayscale version is **51.2265, 53.8943, 58.6909**.

A 20% lighter version of the original color is **74.3035, 89.3048, 107.9291**, and **23.7188, 31.3075, 45.3503** is the 20% darker color. If you saturate the color by 10%, you get **45.3018, 58.7184, 84.5486**, and if you desaturate by 10%, it is **53.6454, 64.9607, 85.3137**.

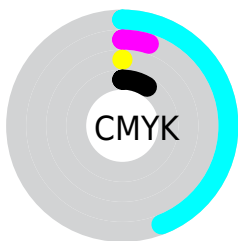
# Distribution



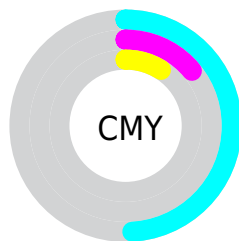
- Red (51%)
- Green (86%)
- Blue (91%)



- Red (51%)
- Yellow (69%)
- Blue (91%)



- Cyan (44%)
- Magenta (5%)
- Yellow (0%)
- Black (9%)



- Cyan (49%)
- Magenta (14%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.0703, 61.6230, 84.9095 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 49.0703, 61.6230, 84.9095 by changing the saturation by 10% instead.



■ 49.0703, 61.6230,  
84.9095

■ 49.0703, 61.6230,  
84.9095

373.5314,  
430.5546, 531.4653

■ 34.8900, 44.7281,  
63.2169

■ 87.9959, 107.1805,  
142.1198

■ 23.7443, 31.2433,  
45.5746

■ 113.4720,  
136.6119, 178.4745

■ 15.2677, 20.7842,  
31.5640

■ 143.4441,  
170.9909, 220.5537

■ 9.0950, 12.9664,  
20.7666

178.2775,  
210.7020, 268.7759

■ 4.8608, 7.4054,  
12.7639

218.3375,  
256.1295, 323.5596

■ 2.1998, 3.7169,  
7.1374

263.9896,

■ 0.7426, 1.5165,

307.6579, 385.3234

3.4684

315.5991,  
365.6714, 454.4858

■ 0.0000, 0.3003,  
1.3385

■ 0.0000, 0.0000,  
0.0930

■ 49.0703, 61.6230,  
84.9095

■ 49.0703, 61.6230,  
84.9095

■ 45.3018, 58.7184,  
84.5486

■ 53.6454, 64.9607,  
85.3137

■ 42.2801, 56.2118,  
84.2240


■ 59.0705, 68.7498,  
85.7591


■ 39.9462, 54.0740,  
83.9344


■ 65.3928, 73.0159,  
86.2493

■ 38.2294, 52.2687,  
83.6764


■ 72.6541, 77.7807,  
86.7863


 37.0437, 50.7514,  
83.4460


 80.8936, 83.0645,  
87.3719

 36.5178, 49.9572,  
83.3204

 85.3576, 86.4168,  
87.7837

 86.0756, 87.8527,  
88.0230

 86.8035, 89.3086,  
88.2657

 87.5416, 90.7847,  
88.5117

# Harmonies

## Analogous

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



47.7313, 61.6230, 66.9152



49.0703, 61.6230, 84.9095



52.9149, 61.6230, 100.0141

# Triad

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



49.0703, 61.6230, 84.9095



69.1537, 61.6230, 85.2786



58.6343, 61.6230, 39.0832

# Complementary

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



49.0703, 61.6230, 84.9095



46.2968, 37.3313, 25.5362

# 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.



64.6160, 61.6230, 42.3336



49.0703, 61.6230, 84.9095



70.9384, 61.6230, 67.2790

# Square

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



49.0703, 61.6230, 84.9095



64.4986, 61.6230, 100.2517



69.2247, 61.6230, 51.9680



53.0178, 61.6230, 42.1999

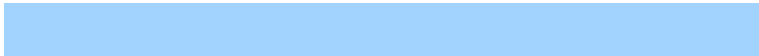


# Rectangle

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



49.0703, 61.6230, 84.9095



56.5206, 61.6230, 105.3263



69.2247, 61.6230, 51.9680



60.6700, 61.6230, 39.4581

# Sweetspot

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



49.0722, 61.6254, 84.9109



82.7585, 91.9865, 108.0011



42.3055, 63.6903, 34.5683



17.3106, 19.4208, 23.0862



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.



49.0722, 61.6254, 84.9109



57.0609, 73.7744, 105.8402



37.8160, 39.1130, 81.1589



14.6677, 16.0569, 18.4705



20.5279, 28.1178, 46.7285



1.5551, 2.1542, 3.4658



# Inverse Universe

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



53.7251, 37.8585, 72.1884



63.7302, 40.9736, 87.3209



55.3757, 55.4892, 28.5625



14.9246, 14.5870, 17.8035



24.7550, 12.0362, 33.9346

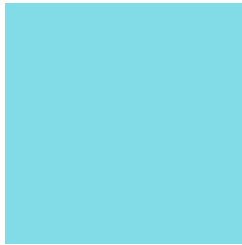


1.8486, 0.8972, 2.6092



# Previews

## White Background



This preview shows how the XYZ color 49.0703, 61.6230, 84.9095 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

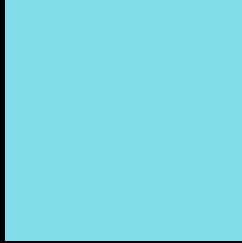
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.0703, 61.6230, 84.9095 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

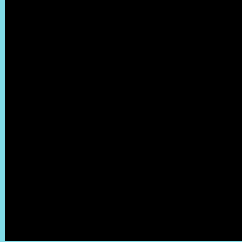
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 49.0703, 61.6230, 84.9095

## Background



This preview shows how black text looks on a background with the XYZ color 49.0703, 61.6230, 84.9095.



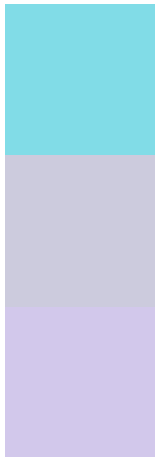
This preview shows how white text looks on a background with the XYZ color 49.0703, 61.6230,



# 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

49.0703, 61.6230, 84.9095

### Protanopia

59.3089, 60.7697, 77.0104

### Deuteranopia

62.2280, 61.0083, 87.0933



## Tritanopia

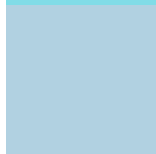
49.9777, 61.6028, 89.3772

# Trichromacy



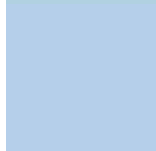
## Original Color

49.0703, 61.6230, 84.9095



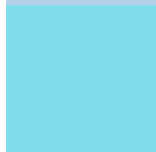
## Protanomaly

54.5225, 60.3843, 80.0159



## Deuteranomaly

56.2202, 60.3899, 86.5352



## Tritanomaly

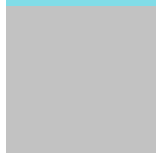
49.5328, 61.4070, 87.8393

# Monochromacy



## Original Color

49.0703, 61.6230, 84.9095



## Achromatopsia

51.2775, 53.9479, 58.7493



## Achromatomaly

49.1960, 55.7629, 67.2019

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.0703, 61.6230, 84.9095 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, 220, 231)` looks like.

```
.text, #text, p{  
    color:rgb(129, 220, 231)  
}
```

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, 220, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 220, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 49.0703, 61.6230, 84.9095 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, 220, 231) }
```



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

```
.border{ border-color:rgb(129, 220, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 220, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 220, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 220, 231);  
box-shadow:4px 4px 4px 4px rgb(129, 220,  
231) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.0703, 61.6230, 84.9095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 220, 231) }
```

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

```
.background{ background-color: rgb(129,  
220, 231) }
```

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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