

# Converting Colors

XYZ(61.1823, 81.6510, 83.6329)

Have a look what the booklet for  
XYZ(61.1823, 81.6510, 83.6329)  
contains.

<b>XYZ(61.1635, 81.6364, 83.7679)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(61.1635, 81.6364,  
83.7679)**

# Conversions

## Conversions Part 1

Format	Color
Hex	97FCE1
RGB	151, 252, 225
RGB Percent	59%, 99%, 88%
CMY	0.4078, 0.0117, 0.1176
CMYK	0.40, 0.00, 0.11, 0.01
HSL	164°, 94%, 79%
HSV	164°, 40%, 99%
XYZ	61.1635, 81.6364, 83.7679
YIQ	218.7230, -51.5290, -29.8090

# Conversions

## Conversions Part 2

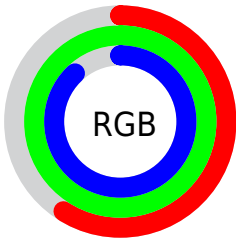
<b>Format</b>	<b>Color</b>
<b>RYB</b>	151, 209, 252
Decimal	9960673
CIELab	92.41, -35.63, 3.66
CIELCh	92, 35.817, 174.134
Yxy	81.6364, 0.2700, 0.3603
Android (android.graphics.Color)	4288150753 (0xFF97FCE1)
YUV	218.7230, 3.0946, -59.3931
Hunter-Lab	90.3529, -37.2837, 8.2781

# Details

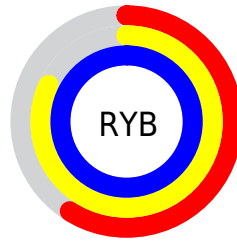
The XYZ color **61.1635, 81.6364, 83.7679** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **59.2501, 46.0451, 47.8873**, and the grayscale version is **67.1467, 70.6436, 76.9309**.

A 20% lighter version of the original color is **80.1045, 92.2953, 108.2006**, and **31.3869, 44.3122, 44.9291** is the 20% darker color. If you saturate the color by 10%, you get **56.0765, 79.1202, 78.8275**, and if you desaturate by 10%, it is **67.2909, 84.6890, 88.9499**.

# Distribution



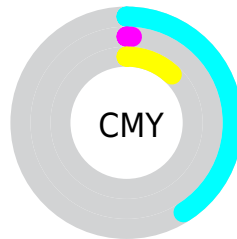
- Red (59%)
- Green (99%)
- Blue (88%)



- Red (59%)
- Yellow (82%)
- Blue (99%)



- Cyan (40%)
- Magenta (0%)
- Yellow (11%)
- Black (1%)




- Cyan (41%)
- Magenta (1%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.1635, 81.6364, 83.7679 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 61.1635, 81.6364, 83.7679 by changing the saturation by 10% instead.





 61.1635, 81.6364,  
83.7679


 61.1635, 81.6364,  
83.7679


418.6396,  
500.4307, 527.5801

 44.6102, 61.0659,  
62.2795


 105.6124,  
135.6640, 140.5093

 31.3505, 44.2783,  
44.8214


 134.2387,  
169.8898, 176.5994

 21.0190, 30.8894,  
30.9748


167.6200,  
209.4363, 218.3939

 13.2504, 20.5146,  
20.3214

206.1217,  
254.6876, 266.3112

 7.6794, 12.7697,  
12.4425

250.1092,  
306.0284, 320.7699

 3.9406, 7.2701,  
6.9196


299.9477,


 1.6686, 3.6316,


363.8429, 382.1886


3.3342


356.0028,  
428.5155, 450.9858


 0.4365, 1.4697,  
1.2677

 0.0000, 0.2673,  
0.0351


 61.1635, 81.6364,  
83.7679


 61.1635, 81.6364,  
83.7679


 56.0765, 79.1202,  
78.8275


 67.2909, 84.6890,  
88.9499


 51.9583, 77.0972,  
74.1179

 74.5108, 88.2984,  
94.3727

 48.7391, 75.5335,  
69.6353

 82.8799, 92.4960,  
100.0428

 46.3363, 74.3866,  
65.3737

 92.4491, 97.3080,  
105.9647

■ 44.6515, 73.6059,  
61.3262

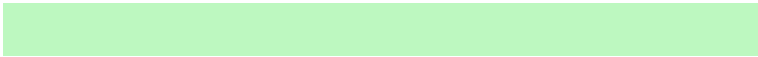
■ 94.1019, 98.1037,  
108.5840

■ 43.5299, 73.1110,  
57.5127

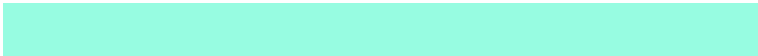
# Harmonies

## Analogous

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



64.0136, 81.6364, 62.1862



61.1635, 81.6364, 83.7679



62.4232, 81.6364, 111.4604

# Triad

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



61.1635, 81.6364, 83.7679



85.1191, 81.6364, 144.1484



88.5226, 81.6364, 53.5766

# Complementary

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



61.1635, 81.6364, 83.7679



59.2501, 46.0451, 47.8873

# 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.



95.0405, 81.6364, 69.5897



61.1635, 81.6364, 83.7679



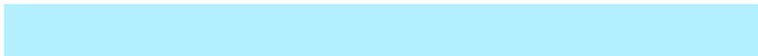
92.9684, 81.6364, 122.3120

# Square

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



61.1635, 81.6364, 83.7679



75.7839, 81.6364, 150.0223



96.7288, 81.6364, 94.2129

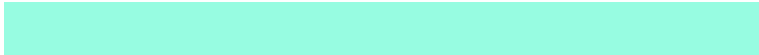


79.4306, 81.6364, 47.1316



# Rectangle

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



61.1635, 81.6364, 83.7679



65.4793, 81.6364, 129.4283



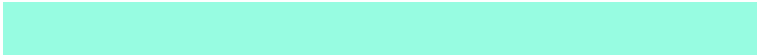
96.7288, 81.6364, 94.2129



91.1154, 81.6364, 57.8433

# Sweetspot

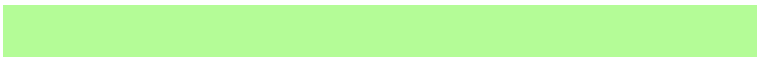
The Sweet Spot groups the original color and five complimentary colors.



61.1658, 81.6397, 83.7698



83.3852, 94.1355, 101.6245



59.1321, 81.5160, 41.8970



17.5992, 20.0241, 21.5871



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

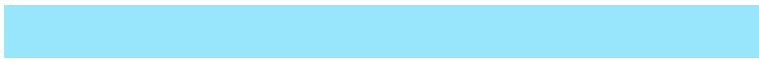
The Same Dimension uses a secret algorithm to generate beautiful new colors.



61.1658, 81.6397, 83.7698



58.5917, 81.7628, 81.9953



58.6650, 70.2692, 102.5707



17.5561, 19.5247, 21.1291



22.7388, 38.1085, 30.2974



2.1500, 3.5471, 3.0377



# Inverse Universe

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



59.2501, 46.0451, 47.8873



56.3939, 40.6541, 40.6267



60.6546, 52.7745, 36.2691



17.4352, 17.3014, 18.8813



21.4974, 11.0147, 4.0616

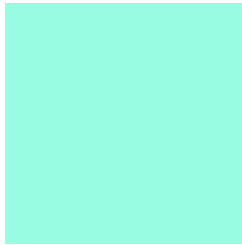


2.0331, 1.0370, 0.5975



# Previews

## White Background



This preview shows how the XYZ color 61.1635, 81.6364, 83.7679 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

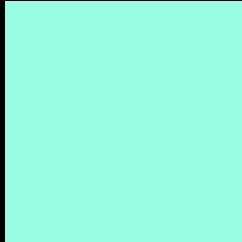
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.1635, 81.6364, 83.7679 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

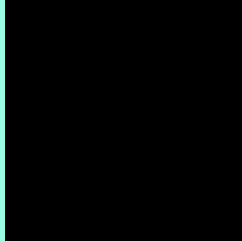
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 61.1635, 81.6364, 83.7679**

## **Background**



This preview shows how black text looks on a background with the XYZ color 61.1635, 81.6364, 83.7679.



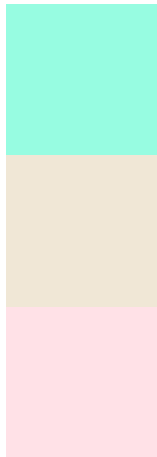
This preview shows how white text looks on a background with the XYZ color 61.1635, 81.6364,



# 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

61.1635, 81.6364, 83.7679

### Protanopia

76.6487, 80.5321, 75.1228

### Deuteranopia

82.5890, 80.8799, 86.8598



## Tritanopia

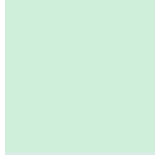
70.4916, 80.9494, 106.5172

# Trichromacy



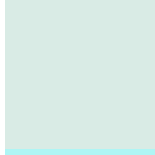
## Original Color

61.1635, 81.6364, 83.7679



## Protanomaly

69.5338, 80.2049, 78.1459



## Deuteranomaly

72.4665, 79.8255, 85.7172



## Tritanomaly

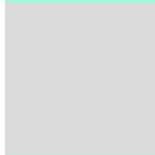
66.6607, 80.9504, 97.6996

# Monochromacy



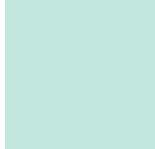
## Original Color

61.1635, 81.6364, 83.7679



## Achromatopsia

67.3311, 70.8376, 77.1421



## Achromatomaly

63.8752, 73.8416, 79.2929

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.1635, 81.6364, 83.7679 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(151, 252, 225)` looks like.

```
.text, #text, p{  
    color:rgb(151, 252, 225)  
}
```

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(151, 252, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 252, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 61.1635, 81.6364, 83.7679 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(151, 252, 225) }
```



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

```
.border{ border-color:rgb(151, 252, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 252, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 252, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 252, 225);  
box-shadow:4px 4px 4px 4px rgb(151, 252,  
225) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.1635, 81.6364, 83.7679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 252, 225) }
```

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

```
.background{ background-color: rgb(151,  
252, 225) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor