

# Converting Colors

XYZ(61.4939, 81.9740, 83.1874)

Have a look what the booklet for  
XYZ(61.4939, 81.9740, 83.1874)  
contains.

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# Color

**XYZ(61.4018, 81.7749,  
83.0689)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99FCE0
RGB	153, 252, 224
RGB Percent	60%, 99%, 88%
CMY	0.4000, 0.0117, 0.1216
CMYK	0.39, 0.00, 0.11, 0.01
HSL	163°, 94%, 79%
HSV	163°, 39%, 99%
XYZ	61.4018, 81.7749, 83.0689
YIQ	219.2070, -50.0160, -29.6960

# Conversions

## Conversions Part 2

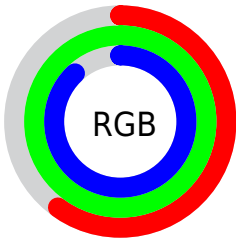
<b>Format</b>	<b>Color</b>
<b>RYB</b>	153, 211, 252
Decimal	10091744
CIELab	92.48, -35.33, 4.28
CIELCh	92, 35.592, 173.098
Yxy	81.7749, 0.2714, 0.3614
Android (android.graphics.Color)	4288281824 (0xFF99FCE0)
YUV	219.2070, 2.3629, -58.0635
Hunter-Lab	90.4295, -37.0497, 8.8366

# Details

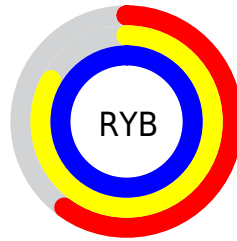
The XYZ color **61.4018, 81.7749, 83.0689** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **59.8794, 46.8162, 49.5997**, and the grayscale version is **67.4864, 71.0010, 77.3201**.

A 20% lighter version of the original color is **80.6740, 92.5889, 108.2272**, and **31.5004, 44.3816, 44.4424** is the 20% darker color. If you saturate the color by 10%, you get **56.1923, 79.2008, 77.8853**, and if you desaturate by 10%, it is **67.6609, 84.8896, 88.5167**.

# Distribution



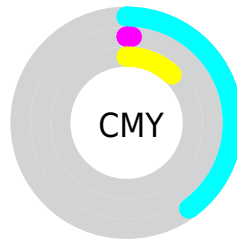
- Red (60%)
- Green (99%)
- Blue (88%)



- Red (60%)
- Yellow (83%)
- Blue (99%)



- Cyan (39%)
- Magenta (0%)
- Yellow (11%)
- Black (1%)




- Cyan (40%)
- Magenta (1%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.4018, 81.7749, 83.0689 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 61.4018, 81.7749, 83.0689 by changing the saturation by 10% instead.





 61.4018, 81.7749,  
83.0689


 61.4018, 81.7749,  
83.0689


419.4981,  
500.8944, 525.1931

 44.8033, 61.1800,  
61.7061

 105.9553,  
135.8583, 139.5221

 31.5031, 44.3705,  
44.3610


 134.6410,  
170.1156, 175.4494

 21.1360, 30.9619,  
30.6151


168.0865,  
209.6958, 217.0688

 13.3365, 20.5698,  
20.0499

206.6572,  
254.9833, 264.7985

 7.7392, 12.8099,  
12.2469

250.7183,  
306.3625, 319.0573

 3.9789, 7.2978,  
6.7875

300.6352,

 1.6902, 3.6490,

364.2179, 380.2637

3.2531

356.7734,  
428.9337, 448.8361

■ 0.4501, 1.4792,  
1.2253

■ 0.0000, 0.2740,  
0.0000

■ 61.4018, 81.7749,  
83.0689

■ 61.4018, 81.7749,  
83.0689

■ 56.1923, 79.2008,  
77.8853

■ 67.6609, 84.8896,  
88.5167

■ 51.9610, 77.1242,  
72.9548

■ 75.0212, 88.5652,  
94.2284

■ 48.6389, 75.5118,  
68.2732

■ 83.5393, 92.8329,  
100.2109

■ 46.1442, 74.3214,  
63.8341

■ 93.2658, 97.7186,  
106.4689

■ 44.3800, 73.5032,  
59.6302

■ 94.1018, 98.1037,  
108.5839

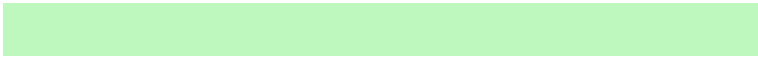
■ 43.1989, 72.9811,  
55.6520

■ 43.1241, 72.9486,  
55.3757

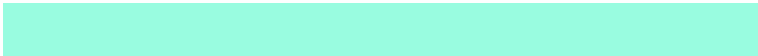
# Harmonies

## Analogous

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



64.3774, 81.7749, 61.8712



61.4018, 81.7749, 83.0689



62.5145, 81.7749, 110.5069

# Triad

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



61.4018, 81.7749, 83.0689



84.8978, 81.7749, 144.4596



88.8768, 81.7749, 54.2617

# Complementary

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



61.4018, 81.7749, 83.0689



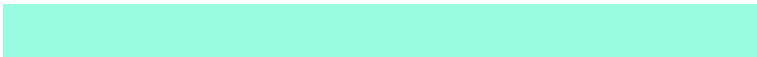
59.8794, 46.8162, 49.5997

# 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.



95.2210, 81.7749, 70.5486



61.4018, 81.7749, 83.0689



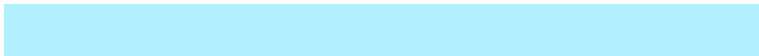
92.7997, 81.7749, 123.1822

# Square

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



61.4018, 81.7749, 83.0689



75.6111, 81.7749, 149.6382



96.7106, 81.7749, 95.2884

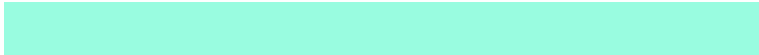


79.8771, 81.7749, 47.5078



# Rectangle

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



61.4018, 81.7749, 83.0689



65.4712, 81.7749, 128.4823



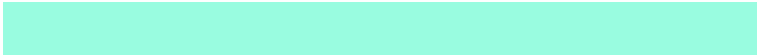
96.7106, 81.7749, 95.2884



91.4187, 81.7749, 58.6275

# Sweetspot

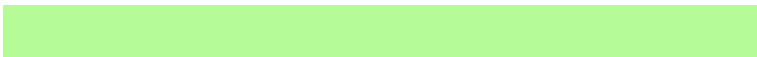
The Sweet Spot groups the original color and five complimentary colors.



61.4041, 81.7782, 83.0708



83.3121, 94.1063, 101.2398



59.6305, 81.7539, 42.7756



17.5819, 20.0172, 21.4963



0.0000, 0.0000, 0.0000

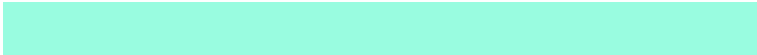


20.3446, 21.4041, 23.3091



# Same Dimension

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



61.4041, 81.7782, 83.0708



58.8403, 81.9092, 81.1855



59.1602, 70.7038, 102.6284



17.5442, 19.5199, 21.0662



22.5293, 38.0247, 29.1943



2.1320, 3.5399, 2.9429



# Inverse Universe

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



59.8794, 46.8162, 49.5997



57.0910, 41.4963, 42.5612



61.1204, 53.4439, 37.2327



17.4464, 17.3059, 18.9406



21.5632, 11.0410, 4.4081

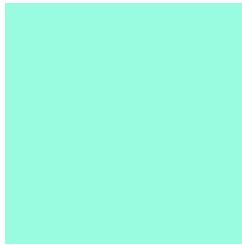


2.0404, 1.0399, 0.6363



# Previews

## White Background



This preview shows how the XYZ color 61.4018, 81.7749, 83.0689 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

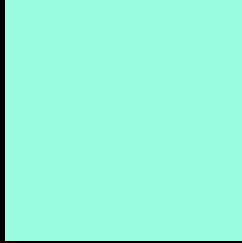
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.4018, 81.7749, 83.0689 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

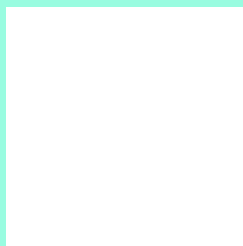
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 61.4018, 81.7749, 83.0689**

## **Background**



This preview shows how black text looks on a background with the XYZ color 61.4018, 81.7749, 83.0689.



This preview shows how white text looks on a background with the XYZ color 61.4018, 81.7749,



# 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

61.4018, 81.7749, 83.0689

### Protanopia

76.8618, 80.6567, 74.4680

### Deuteranopia

82.4481, 80.8236, 86.1179



## Tritanopia

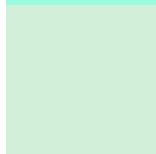
70.7405, 81.0777, 106.5289

# Trichromacy



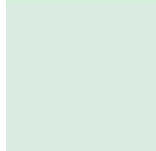
## Original Color

61.4018, 81.7749, 83.0689



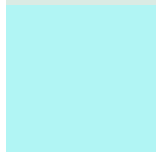
## Protanomaly

69.6854, 80.2981, 77.4719



## Deuteranomaly

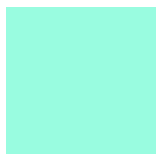
72.6254, 79.9235, 84.9978



## Tritanomaly

67.1130, 81.1836, 97.7207

# Monochromacy



## Original Color

61.4018, 81.7749, 83.0689



## Achromatopsia

67.3311, 70.8376, 77.1421



## Achromatomaly

64.1327, 73.9744, 79.3049

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.4018, 81.7749, 83.0689 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(153, 252, 224)` looks like.

```
.text, #text, p{  
    color:rgb(153, 252, 224)  
}
```

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(153, 252, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 252, 224) }
```

## Border

The CSS property to change the border of an element to XYZ 61.4018, 81.7749, 83.0689 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(153, 252, 224) }
```



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

```
.border{ border-color:rgb(153, 252, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 252, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 252, 224); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 252, 224); box-shadow:4px 4px 4px 4px rgb(153, 252, 224) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.4018, 81.7749, 83.0689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 252, 224) }
```

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

```
.background{ background-color: rgb(153,  
252, 224) }
```

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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