

# Converting Colors

XYZ(61.9837, 78.6724, 77.3784)

Have a look what the booklet for  
XYZ(61.9837, 78.6724, 77.3784)  
contains.

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# Color

**XYZ(61.8883, 78.4818,  
77.5323)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ACF4D9
RGB	172, 244, 217
RGB Percent	67%, 96%, 85%
CMY	0.3255, 0.0431, 0.1490
CMYK	0.30, 0.00, 0.11, 0.04
HSL	157°, 77%, 82%
HSV	157°, 30%, 96%
XYZ	61.8883, 78.4818, 77.5323
YIQ	219.3940, -34.2450, -23.6610

# Conversions

## Conversions Part 2

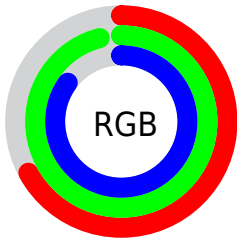
Format	Color
<b>R<sub>YB</sub></b>	172, 216, 244
Decimal	11334873
CIE Lab	91.00, -27.83, 5.89
CIE LCh	91, 28.448, 168.059
Yxy	78.4818, 0.2840, 0.3602
Android (android.graphics.Color)	4289524953 (0xFFACF4D9)
YUV	219.3940, -1.1802, -41.5645
Hunter-Lab	88.5900, -30.3336, 10.1234

# Details

The XYZ color **61.8883, 78.4818, 77.5323** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **62.3722, 52.8636, 60.9522**, and the grayscale version is **67.6323, 71.1544, 77.4871**.

A 20% lighter version of the original color is **86.1231, 95.3980, 108.4822**, and **31.8409, 42.3570, 40.6799** is the 20% darker color. If you saturate the color by 10%, you get **55.8598, 75.5098, 71.2092**, and if you desaturate by 10%, it is **68.9704, 81.9935, 84.2526**.

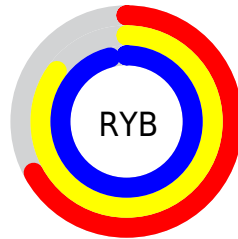
# Distribution



Red (67%)

Green (96%)

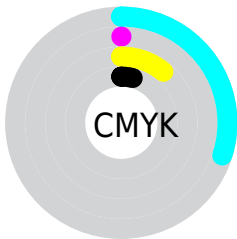
Blue (85%)



Red (67%)

Yellow (85%)

Blue (96%)

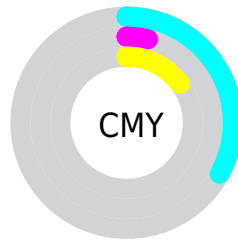


Cyan (30%)

Magenta (0%)

Yellow (11%)

Black (4%)



Cyan (33%)

Magenta (4%)

Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.8883, 78.4818, 77.5323 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 61.8883, 78.4818, 77.5323 by changing the saturation by 10% instead.





 61.8883, 78.4818,  
77.5323

 61.8883, 78.4818,  
77.5323


421.2476,  
489.8015, 506.0628

 45.1977, 58.4698,  
57.1757


 106.6549,  
131.2291, 131.6705

 31.8151, 42.1865,  
40.7360


135.4617,  
164.7332, 166.2891

 21.3752, 29.2473,  
27.7947

169.0378,  
203.5035, 206.4988

 13.5125, 19.2680,  
17.9333

207.7488,  
247.9244, 252.7182

 7.8619, 11.8641,  
10.7332

251.9599,  
298.3802, 305.3657

 4.0577, 6.6512,  
5.7758

302.0365,

 1.7349, 3.2449,

355.2554, 364.8600

2.6427

358.3439,  
418.9344, 431.6195

■ 0.4779, 1.2609,  
0.9144

■ 0.0000, 0.1106,  
0.0000

■ 61.8883, 78.4818,  
77.5323

■ 61.8883, 78.4818,  
77.5323

■ 55.8598, 75.5098,  
71.2092

■ 68.9704, 81.9935,  
84.2526

■ 50.8233, 73.0397,  
65.2699

■ 77.1503, 86.0613,  
91.3726

■ 46.7210, 71.0437,  
59.7077

■ 86.4776, 90.7127,  
98.9016

■ 43.4860, 69.4876,  
54.5137

■ 91.4184, 93.0948,  
106.5856

■ 41.0418, 68.3321,  
49.6783

■ 91.6421, 93.1843,  
107.7640

■ 39.2982, 67.5307,  
45.1911

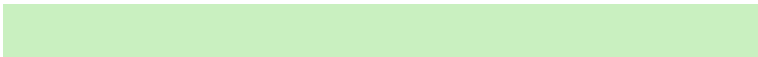
■ 38.1125, 67.0101,  
41.0391

■ 38.0604, 66.9876,  
40.8433

# Harmonies

## Analogous

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



64.7909, 78.4818, 61.6611



61.8883, 78.4818, 77.5323



62.2256, 78.4818, 98.3036

# Triad

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



61.8883, 78.4818, 77.5323



78.9561, 78.4818, 128.8178



84.2059, 78.4818, 59.2917

# Complementary

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



61.8883, 78.4818, 77.5323



62.3722, 52.8636, 60.9522

# 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.



88.5028, 78.4818, 73.7748



61.8883, 78.4818, 77.5323



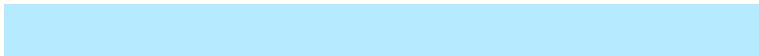
85.3405, 78.4818, 114.6920

# Square

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



61.8883, 78.4818, 77.5323



71.7749, 78.4818, 130.2590



88.9309, 78.4818, 93.8963

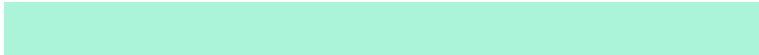


77.4871, 78.4818, 52.3181

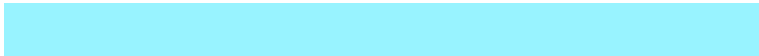


# Rectangle

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



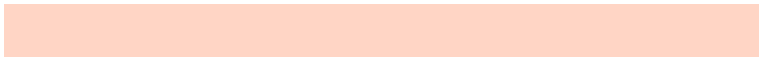
61.8883, 78.4818, 77.5323



64.2453, 78.4818, 112.2144



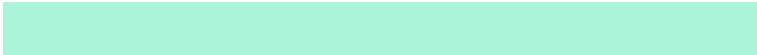
88.9309, 78.4818, 93.8963



85.9996, 78.4818, 63.3259

# Sweetspot

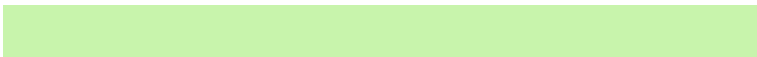
The Sweet Spot groups the original color and five complimentary colors.



61.8905, 78.4850, 77.5341



85.7499, 95.3622, 101.3927



63.5123, 79.9077, 51.1071



18.0532, 20.2616, 21.4499



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.



61.8905, 78.4850, 77.5341



64.5553, 84.8487, 81.7516



63.2253, 75.0663, 96.7487



16.7178, 18.6463, 19.7983



20.7627, 36.4499, 22.5677



1.8746, 3.2235, 2.2454



# Inverse Universe

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



62.3722, 52.8636, 60.9522



65.1653, 52.5754, 60.8810



61.1591, 55.0178, 46.4269



16.7562, 16.5853, 18.4626



21.3857, 10.8977, 6.7395

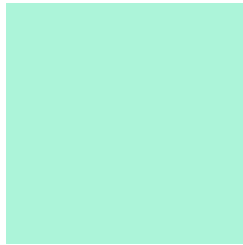


1.9277, 0.9771, 0.8458



# Previews

## White Background



This preview shows how the XYZ color 61.8883, 78.4818, 77.5323 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

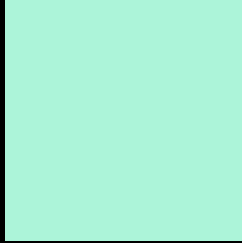
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.8883, 78.4818, 77.5323 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

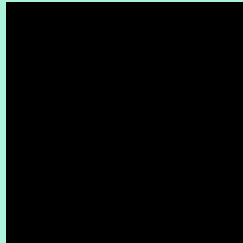
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 61.8883, 78.4818, 77.5323**

## **Background**



This preview shows how black text looks on a background with the XYZ color 61.8883, 78.4818, 77.5323.



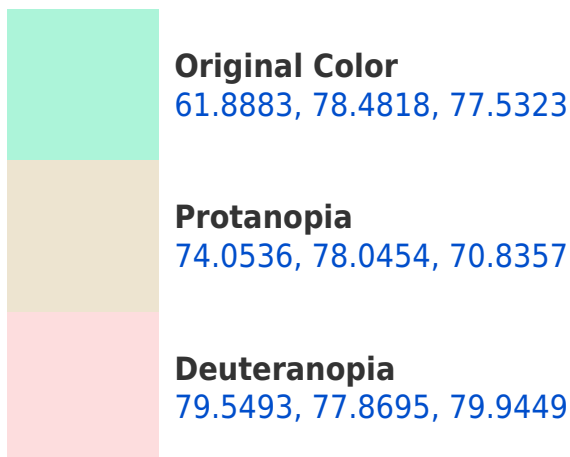
This preview shows how white text looks on a background with the XYZ color 61.8883, 78.4818,



# 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





## Tritanopia

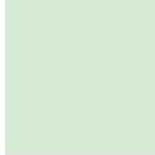
68.3418, 78.1027, 106.0811

# Trichromacy



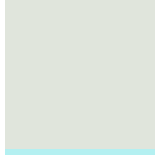
## Original Color

61.8883, 78.4818, 77.5323



## Protanomaly

68.6213, 77.6949, 73.0079



## Deuteranomaly

71.6780, 77.0532, 78.8051



## Tritanomaly

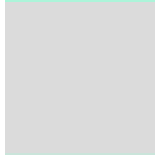
65.8597, 78.3743, 94.8757

# Monochromacy



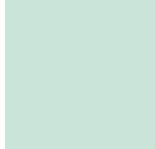
## Original Color

61.8883, 78.4818, 77.5323



## Achromatopsia

67.3311, 70.8376, 77.1421



## Achromatomaly

64.7554, 73.1053, 77.0274

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.8883, 78.4818, 77.5323 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(172, 244, 217)` looks like.

```
.text, #text, p{  
    color:rgb(172, 244, 217)  
}
```

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(172, 244, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 244, 217) }
```

## Border

The CSS property to change the border of an element to XYZ 61.8883, 78.4818, 77.5323 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(172, 244, 217) }
```



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

```
.border{ border-color:rgb(172, 244, 217) }
```

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

Here you see how a box with a 4 pixel rgb(172, 244, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 244, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 244, 217);  
box-shadow:4px 4px 4px 4px rgb(172, 244,  
217) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.8883, 78.4818, 77.5323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 244, 217) }
```

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

```
.background{ background-color: rgb(172,  
244, 217) }
```

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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