

# Converting Colors

XYZ(60.9649, 75.4857, 81.9986)

Have a look what the booklet for  
XYZ(60.9649, 75.4857, 81.9986)  
contains.

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# Color

**XYZ(61.1156, 75.7727,  
81.9255)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABEFEO
RGB	171, 239, 224
RGB Percent	67%, 94%, 88%
CMY	0.3294, 0.0627, 0.1216
CMYK	0.28, 0.00, 0.06, 0.06
HSL	167°, 68%, 80%
HSV	167°, 28%, 94%
XYZ	61.1156, 75.7727, 81.9255
YIQ	216.9580, -35.7130, -19.0810

# Conversions

## Conversions Part 2

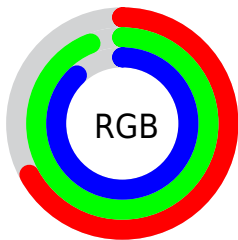
<b>Format</b>	<b>Color</b>
<b>RYB</b>	171, 209, 239
Decimal	11268064
CIELab	89.75, -24.27, 0.43
CIELCh	90, 24.279, 178.993
Yxy	75.7727, 0.2793, 0.3463
Android (android.graphics.Color)	4289458144 (0xFFABEFEE)
YUV	216.9580, 3.4717, -40.3052
Hunter-Lab	87.0475, -27.0092, 5.1320

# Details

The XYZ color **61.1156, 75.7727, 81.9255** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **59.0250, 51.0237, 53.1949**, and the grayscale version is **65.9207, 69.3538, 75.5262**.

A 20% lighter version of the original color is **85.8049, 95.2340, 108.4673**, and **31.4310, 40.5135, 43.6994** is the 20% darker color. If you saturate the color by 10%, you get **55.6693, 73.0483, 77.9965**, and if you desaturate by 10%, it is **67.5297, 78.9973, 86.0189**.

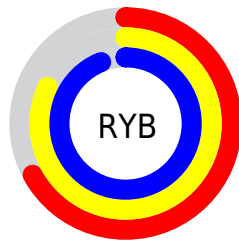
# Distribution



Red (67%)

Green (94%)

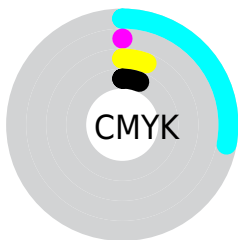
Blue (88%)



Red (67%)

Yellow (82%)

Blue (94%)

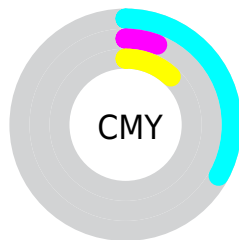


Cyan (28%)

Magenta (0%)

Yellow (6%)

Black (6%)



Cyan (33%)

Magenta (6%)

Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.1156, 75.7727, 81.9255 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 61.1156, 75.7727, 81.9255 by changing the saturation by 10% instead.



61.1156, 75.7727,  
81.9255

61.1156, 75.7727,  
81.9255

418.4669,  
480.5693, 521.2754

44.5714, 56.2461,  
60.7687

105.5435,  
127.4056, 137.9053

31.3198, 40.4003,  
43.6092

134.1578,  
160.2806, 173.5653

20.9955, 27.8508,  
30.0284

167.5262,  
198.3740, 214.8968

13.2331, 18.2132,  
19.6079

206.0141,  
242.0701, 262.3183

7.6674, 11.1032,  
11.9291

249.9867,  
291.7533, 316.2484

3.9329, 6.1363,  
6.5735

299.8095,

1.6642, 2.9281,

347.8079, 377.1056

3.1225

355.8477,  
410.6185, 445.3084

■ 0.4337, 1.0943,  
1.1575

■ 0.0000, 0.0000,  
0.0000

■ 61.1156, 75.7727,  
81.9255

■ 61.1156, 75.7727,  
81.9255

■ 55.6693, 73.0483,  
77.9965

■ 67.5297, 78.9973,  
86.0189

■ 51.1333, 70.7888,  
74.2232

■ 74.9523, 82.7373,  
90.2746

■ 47.4541, 68.9684,  
70.6037

■ 83.4294, 87.0183,  
94.6975

■ 44.5697, 67.5552,  
67.1340

■ 88.6036, 89.5940,  
99.0846

■ 42.4096, 66.5130,  
63.8099

■ 89.4207, 89.9208,  
103.3877

■ 40.8907, 65.7989,  
60.6262

■ 90.1578, 90.2157,  
107.2693

■ 39.8935, 65.3513,  
57.5762

■ 39.7600, 65.2925,  
57.1149

# Harmonies

## Analogous

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



62.5998, 75.7727, 66.6637



61.1156, 75.7727, 81.9255



62.4157, 75.7727, 99.5310

# Triad

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



61.1156, 75.7727, 81.9255



77.7427, 75.7727, 114.8185



78.1120, 75.7727, 57.3571

# Complementary

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



61.1156, 75.7727, 81.9255



59.0250, 51.0237, 53.1949

# 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.



82.5615, 75.7727, 67.5381



61.1156, 75.7727, 81.9255



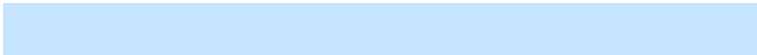
82.3401, 75.7727, 100.6727

# Square

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



61.1156, 75.7727, 81.9255



71.8175, 75.7727, 120.0375



84.1492, 75.7727, 83.0844



72.2222, 75.7727, 53.7438

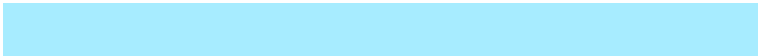


# Rectangle

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



61.1156, 75.7727, 81.9255



64.7296, 75.7727, 109.9566



84.1492, 75.7727, 83.0844



79.8375, 75.7727, 60.0486

# Sweetspot

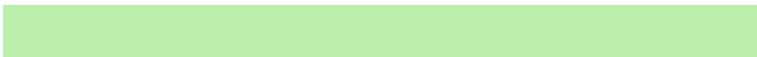
The Sweet Spot groups the original color and five complimentary colors.



61.1178, 75.7758, 81.9272



86.3003, 95.5823, 104.2912



58.6804, 75.2244, 49.9563



18.1893, 20.3160, 22.1663



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

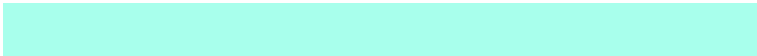


# Same Dimension

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



61.1178, 75.7758, 81.9272



67.0941, 85.9265, 92.3087



58.1981, 66.5351, 91.4401



16.0894, 17.8658, 19.4936



22.0225, 36.1010, 31.8313



1.8685, 3.0178, 2.8397



# Inverse Universe

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



59.0250, 51.0237, 53.1949



64.3136, 52.9824, 54.0912



61.1760, 57.7458, 46.4511



15.9156, 15.8159, 17.1116



20.0631, 10.2977, 2.9831

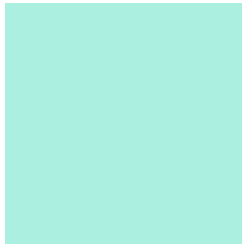


1.7052, 0.8711, 0.4383



# Previews

## White Background



This preview shows how the XYZ color 61.1156, 75.7727, 81.9255 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

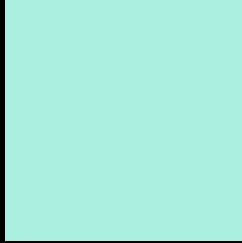
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.1156, 75.7727, 81.9255 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

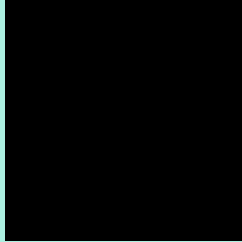
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

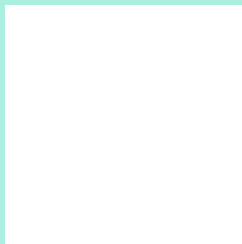
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 61.1156, 75.7727, 81.9255

## Background



This preview shows how black text looks on a background with the XYZ color 61.1156, 75.7727, 81.9255.



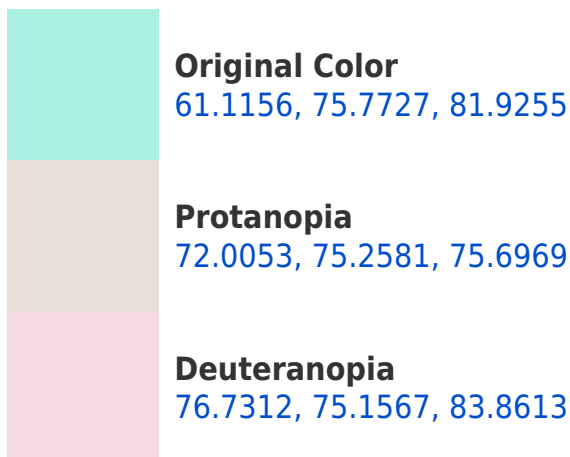
This preview shows how white text looks on a background with the XYZ color 61.1156, 75.7727, 81.9255.

81.9255.

# 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

65.5694, 75.8556, 104.1142

# Trichromacy



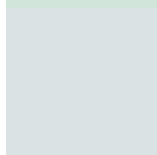
## Original Color

61.1156, 75.7727, 81.9255



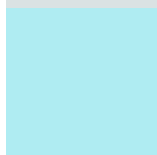
## Protanomaly

67.1000, 74.7084, 77.9015



## Deuteranomaly

69.9749, 74.8442, 83.4313



## Tritanomaly

63.7017, 75.5157, 95.2229

# Monochromacy



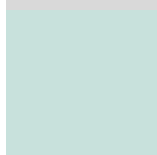
## Original Color

61.1156, 75.7727, 81.9255



## Achromatopsia

65.9525, 69.3872, 75.5626



## Achromatomaly

63.6629, 71.2971, 78.1165

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.1156, 75.7727, 81.9255 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(171, 239, 224)` looks like.

```
.text, #text, p{  
    color:rgb(171, 239, 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(171, 239, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 239, 224) }
```

## Border

The CSS property to change the border of an element to XYZ 61.1156, 75.7727, 81.9255 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(171, 239, 224) }
```



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

```
.border{ border-color:rgb(171, 239, 224) }
```

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

Here you see how a box with a 4 pixel rgb(171, 239, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 239, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 239, 224);  
box-shadow:4px 4px 4px 4px rgb(171, 239,  
224) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.1156, 75.7727, 81.9255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 239, 224) }
```

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

```
.background{ background-color: rgb(171,  
239, 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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