

# Converting Colors

XYZ(61.4886, 77.5904, 88.3466)

Have a look what the booklet for  
XYZ(61.4886, 77.5904, 88.3466)  
contains.

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# Color

**XYZ(61.5164, 77.6088,  
88.0817)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A2F3E8
RGB	162, 243, 232
RGB Percent	64%, 95%, 91%
CMY	0.3647, 0.0470, 0.0902
CMYK	0.33, 0.00, 0.05, 0.05
HSL	172°, 77%, 79%
HSV	172°, 33%, 95%
XYZ	61.5164, 77.6088, 88.0817
YIQ	217.5270, -44.7450, -20.5930

# Conversions

## Conversions Part 2

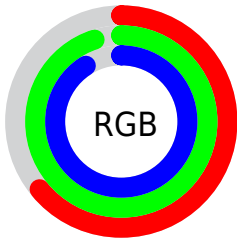
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	162, 205, 243
Decimal	10679272
CIE Lab	90.60, -26.99, -2.56
CIE LCh	91, 27.107, 185.417
Yxy	77.6088, 0.2708, 0.3416
Android (android.graphics.Color)	4288869352 (0xFFA2F3E8)
YUV	217.5270, 7.1352, -48.6972
Hunter-Lab	88.0959, -29.5231, 2.3866

# Details

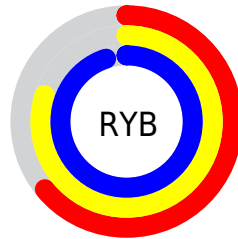
The XYZ color **61.5164, 77.6088, 88.0817** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **57.4280, 47.9147, 45.7599**, and the grayscale version is **66.2914, 69.7437, 75.9509**.

A 20% lighter version of the original color is **83.0234, 93.8001, 108.3372**, and **31.6702, 41.8010, 47.4735** is the 20% darker color. If you saturate the color by 10%, you get **56.5852, 75.1223, 85.4277**, and if you desaturate by 10%, it is **67.4147, 80.5968, 90.8303**.

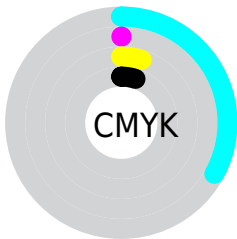
# Distribution



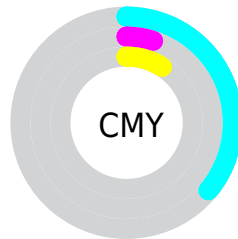
- Red (64%)
- Green (95%)
- Blue (91%)



- Red (64%)
- Yellow (80%)
- Blue (95%)



- Cyan (33%)
- Magenta (0%)
- Yellow (5%)
- Black (5%)




- Cyan (36%)
- Magenta (5%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.5164, 77.6088, 88.0817 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 61.5164, 77.6088, 88.0817 by changing the saturation by 10% instead.




 61.5164, 77.6088,  
88.0817


 61.5164, 77.6088,  
88.0817


419.9106,  
486.8372, 542.1790

 44.8962, 57.7527,  
65.8260


 106.1202,  
129.9985, 146.5830

 31.5766, 41.6098,  
47.6756


 134.8344,  
163.3009, 183.6658

 21.1923, 28.7959,  
33.2119


168.3107,  
201.8541, 226.5279

 13.3779, 18.9265,  
22.0164

206.9145,  
246.0426, 275.5880

 7.7681, 11.6172,  
13.6705

251.0110,  
296.2508, 331.2647

 3.9974, 6.4836,  
7.7557

300.9656,

 1.7007, 3.1413,

352.8630, 393.9763

3.8535

357.1437,  
416.2637, 464.1416

■ 0.4567, 1.2059,  
1.5453

■ 0.0000, 0.0665,  
0.2514

■ 61.5164, 77.6088,  
88.0817

■ 61.5164, 77.6088,  
88.0817

■ 56.5852, 75.1223,  
85.4277

■ 67.4147, 80.5968,  
90.8303

■ 52.5592, 73.0995,  
82.8601


■ 74.3241, 84.1030,  
93.6707


■ 49.3797, 71.5120,  
80.3776

■ 82.2940, 88.1549,  
96.6073


■ 46.9785, 70.3248,  
77.9768


■ 89.8047, 91.9690,  
99.5691

 45.2764, 69.4970,  
75.6537

 90.3139, 92.1727,  
102.2501

 44.1776, 68.9792,  
73.4035

 90.8320, 92.3799,  
104.9788

 43.6843, 68.7569,  
71.9393

 91.3420, 92.5839,  
107.6640

# Harmonies

## Analogous

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



62.5186, 77.6088, 69.8834



61.5164, 77.6088, 88.0817



63.6288, 77.6088, 108.0751

# Triad

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



61.5164, 77.6088, 88.0817



81.5921, 77.6088, 118.7822



79.3303, 77.6088, 54.8590

# Complementary

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



61.5164, 77.6088, 88.0817



57.4280, 47.9147, 45.7599

# 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.



84.9239, 77.6088, 64.6344



61.5164, 77.6088, 88.0817



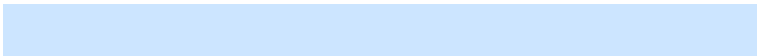
86.2849, 77.6088, 101.0309

# Square

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



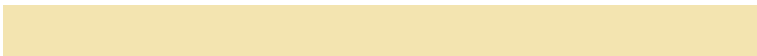
61.5164, 77.6088, 88.0817



75.0041, 77.6088, 127.4573



87.5399, 77.6088, 81.0222



72.5393, 77.6088, 52.4786

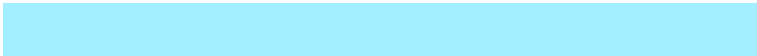


# Rectangle

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



61.5164, 77.6088, 88.0817



66.6001, 77.6088, 119.1742



87.5399, 77.6088, 81.0222



81.4258, 77.6088, 57.3069

# Sweetspot

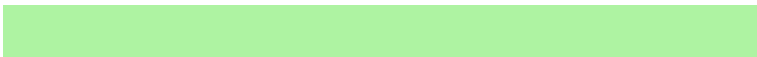
The Sweet Spot groups the original color and five complimentary colors.



61.5186, 77.6119, 88.0835



85.7301, 95.2593, 105.5790



56.0636, 75.7290, 45.8462



18.0904, 20.2576, 22.5002



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

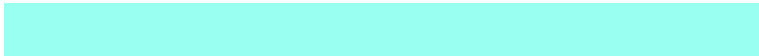


# Same Dimension

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



61.5186, 77.6119, 88.0835



64.7957, 84.6518, 96.2570



55.2917, 62.5779, 93.9622



16.8942, 18.7168, 20.7271



24.0116, 37.7495, 39.6764



2.1366, 3.3283, 3.6253



# Inverse Universe

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



57.4280, 47.9147, 45.7599



59.5929, 46.8271, 42.3867



61.9757, 58.6446, 42.2370



16.5908, 16.5192, 17.5916



20.4647, 10.5293, 1.8897

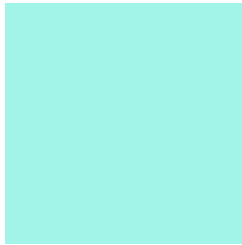


1.8266, 0.9366, 0.3133



# Previews

## White Background



This preview shows how the XYZ color 61.5164, 77.6088, 88.0817 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

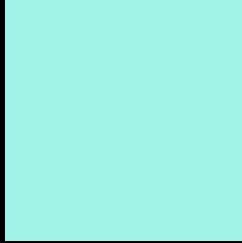
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.5164, 77.6088, 88.0817 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 61.5164, 77.6088, 88.0817

## Background



This preview shows how black text looks on a background with the XYZ color 61.5164, 77.6088, 88.0817.



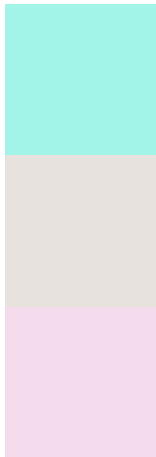
This preview shows how white text looks on a background with the XYZ color 61.5164, 77.6088,



# 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

61.5164, 77.6088, 88.0817

### Protanopia

73.6599, 76.8224, 80.0532

### Deuteranopia

78.5354, 76.7133, 90.7886



## Tritanopia

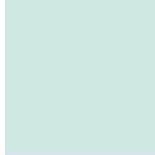
66.5290, 77.5992, 106.0794

# Trichromacy



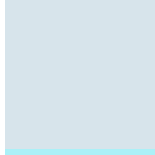
## Original Color

61.5164, 77.6088, 88.0817



## Protanomaly

68.3162, 76.4696, 83.1110



## Deuteranomaly

70.7631, 75.9320, 89.5240



## Tritanomaly

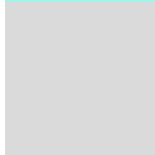
64.7432, 77.6935, 99.5797

# Monochromacy



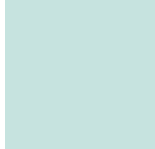
## Original Color

61.5164, 77.6088, 88.0817



## Achromatopsia

66.6397, 70.1102, 76.3500



## Achromatomaly

64.0771, 72.2716, 80.3846

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.5164, 77.6088, 88.0817 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(162, 243, 232)` looks like.

```
.text, #text, p{  
    color:rgb(162, 243, 232)  
}
```

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(162, 243, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 243, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 61.5164, 77.6088, 88.0817 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(162, 243, 232) }
```



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

```
.border{ border-color:rgb(162, 243, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 243, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 243, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 243, 232);  
box-shadow:4px 4px 4px 4px rgb(162, 243,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.5164, 77.6088, 88.0817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 243, 232) }
```

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

```
.background{ background-color: rgb(162,  
243, 232) }
```

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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