

# Converting Colors

XYZ(62.1112, 73.3823,  
103.7865)

Have a look what the booklet for  
XYZ(62.1112, 73.3823, 103.7865)  
contains.

<b>XYZ(61.9728, 73.1562, 103.7828)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(61.9728, 73.1562,  
103.7828)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A3E9FD
RGB	163, 233, 253
RGB Percent	64%, 91%, 99%
CMY	0.3608, 0.0863, 0.0078
CMYK	0.36, 0.08, 0.00, 0.01
HSL	193°, 96%, 82%
HSV	193°, 36%, 99%
XYZ	61.9728, 73.1562, 103.7828
YIQ	214.3500, -48.1400, -8.6200

# Conversions

## Conversions Part 2

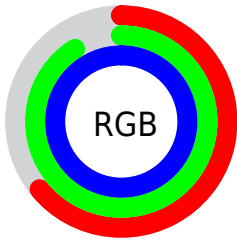
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	163, 202, 253
Decimal	10742269
CIE <sub>Lab</sub>	88.52, -16.96, -16.62
CIE <sub>LCh</sub>	89, 23.742, 224.417
Y <sub>xy</sub>	73.1562, 0.2594, 0.3062
Android (android.graphics.Color)	4288932349 (0xFFA3E9FD)
YUV	214.3500, 19.0545, -45.0339
Hunter-Lab	85.5314, -20.3456, -12.0698

# Details

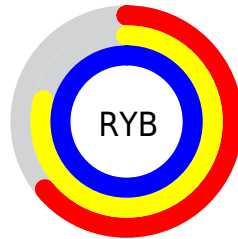
The XYZ color **61.9728, 73.1562, 103.7828** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.0536, 57.3950, 42.3546**, and the grayscale version is **64.0529, 67.3887, 73.3862**.

A 20% lighter version of the original color is **83.3252, 93.9556, 108.3513**, and **31.7494, 38.5556, 57.9932** is the 20% darker color. If you saturate the color by 10%, you get **55.7360, 67.6176, 103.0437**, and if you desaturate by 10%, it is **69.3010, 79.3361, 104.5907**.

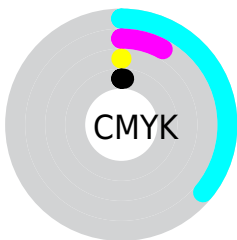
# Distribution



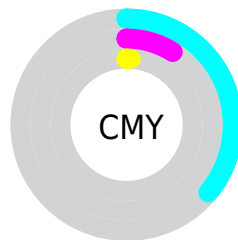
- Red (64%)
- Green (91%)
- Blue (99%)



- Red (64%)
- Yellow (79%)
- Blue (99%)



- Cyan (36%)
- Magenta (8%)
- Yellow (0%)
- Black (1%)



- Cyan (36%)
- Magenta (9%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.9728, 73.1562, 103.7828 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 61.9728, 73.1562, 103.7828 by changing the saturation by 10% instead.



61.9728, 73.1562,  
103.7828

61.9728, 73.1562,  
103.7828

421.5510,  
471.5560, 593.6037

45.2662, 54.1037,  
78.8290

106.7764,  
123.6989, 168.4430

31.8694, 38.6846,  
58.2348

135.6041,  
155.9579, 208.9866

21.4168, 26.5144,  
41.5815

169.2029,  
193.3879, 255.5638

13.5432, 17.2089,  
28.4506

207.9382,  
236.3733, 308.5932

7.8832, 10.3835,  
18.4236

252.1753,  
285.2983, 368.4933

4.0715, 5.6540,  
11.0820

302.2796,

1.7427, 2.6358,

340.5475, 435.6828

6.0071

358.6163,  
402.5053, 510.5801

■ 0.4827, 0.9447,  
2.7806

■ 0.0000, 0.0000,  
0.9837

■ 61.9728, 73.1562,  
103.7828

■ 61.9728, 73.1562,  
103.7828

■ 55.7360, 67.6176,  
103.0437

■ 69.3010, 79.3361,  
104.5907

■ 50.5212, 62.6788,  
102.3653

■ 77.7713, 86.1790,  
105.4651

■ 46.2615, 58.3062,  
101.7458

■ 87.4392, 93.7160,  
106.4103

■ 42.8787, 54.4588,  
101.1815

94.7299, 99.8719,  
107.2142

■ 40.2815, 51.0889,  
100.6679

■ 38.3571, 48.1376,  
100.1997

■ 37.6473, 46.9268,  
100.0034

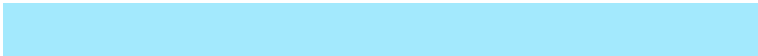
# Harmonies

## Analogous

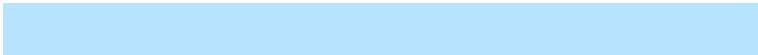
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



59.4202, 73.1562, 87.7531



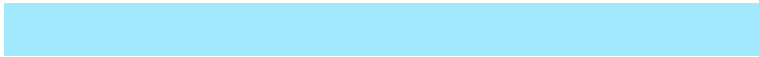
61.9728, 73.1562, 103.7828



66.6213, 73.1562, 113.9914

# Triad

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



61.9728, 73.1562, 103.7828



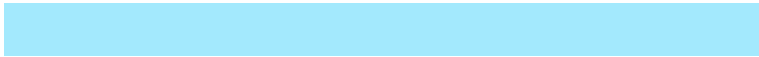
80.6682, 73.1562, 88.4148



66.8315, 73.1562, 52.8885

# Complementary

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



61.9728, 73.1562, 103.7828



64.0536, 57.3950, 42.3546

# 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.



72.5278, 73.1562, 53.0148



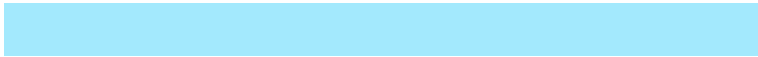
61.9728, 73.1562, 103.7828



80.7321, 73.1562, 72.0705

# Square

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



61.9728, 73.1562, 103.7828



77.5137, 73.1562, 104.3241



77.6838, 73.1562, 59.5899

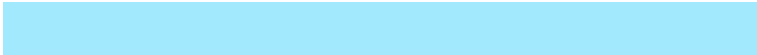


62.1194, 73.1562, 59.2174



# Rectangle

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



61.9728, 73.1562, 103.7828



70.3828, 73.1562, 115.3476



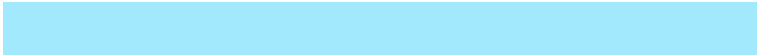
77.6838, 73.1562, 59.5899



68.6896, 73.1562, 52.2080

# Sweetspot

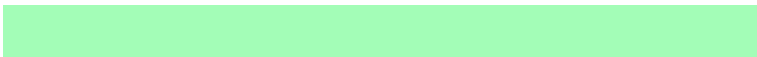
The Sweet Spot groups the original color and five complimentary colors.



61.9750, 73.1591, 103.7845



83.5166, 91.1504, 107.7997



58.7265, 81.4368, 57.1529



17.5943, 19.2895, 23.0459



0.0000, 0.0000, 0.0000

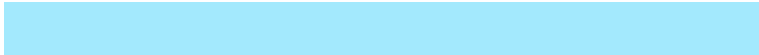


20.3446, 21.4041, 23.3091

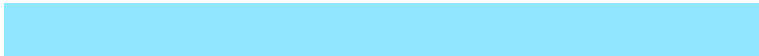


# Same Dimension

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



61.9750, 73.1591, 103.7845



58.2629, 70.2198, 105.0907



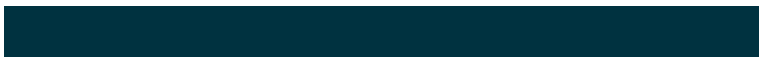
50.9259, 51.0608, 100.1014



18.1924, 19.7563, 23.1045



20.1401, 25.1898, 53.2352



2.0412, 2.6132, 5.2101



# Inverse Universe

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



68.3151, 52.9622, 83.7160



65.7914, 47.3669, 81.0070



74.7265, 78.7408, 45.9122



18.6097, 18.2272, 21.8280



26.9540, 13.2709, 29.4719

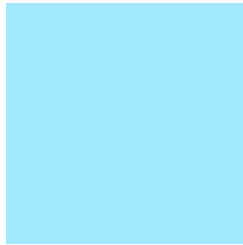


2.6649, 1.3083, 3.0829



# Previews

## White Background



This preview shows how the XYZ color 61.9728, 73.1562, 103.7828 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

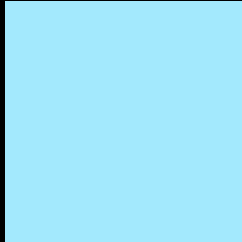
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.9728, 73.1562, 103.7828 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 61.9728, 73.1562, 103.7828

## Background



This preview shows how black text looks on a background with the XYZ color 61.9728, 73.1562, 103.7828.



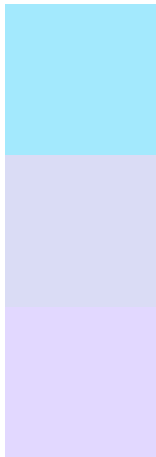
This preview shows how white text looks on a background with the XYZ color 61.9728, 73.1562,



# 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

61.9728, 73.1562, 103.7828

### Protanopia

70.9881, 72.6844, 96.6742

### Deuteranopia

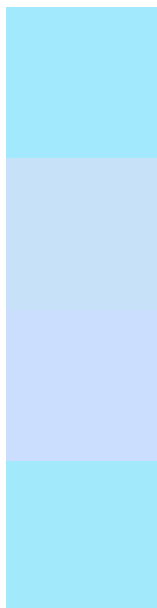
73.9699, 72.5005, 104.7031



## Tritanopia

61.8139, 73.0926, 102.9458

# Trichromacy



## Original Color

61.9728, 73.1562, 103.7828

## Protanomaly

67.1572, 72.6335, 99.2870

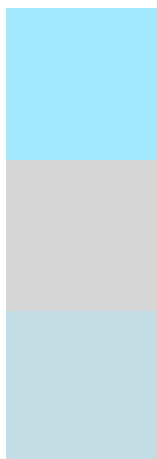
## Deuteranomaly

68.6393, 72.0948, 104.0639

## Tritanomaly

61.8139, 73.0926, 102.9458

# Monochromacy



## Original Color

61.9728, 73.1562, 103.7828

## Achromatopsia

63.9157, 67.2443, 73.2291

## Achromatomaly

62.3657, 68.9164, 83.4140

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.9728, 73.1562, 103.7828 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(163, 233, 253)` looks like.

```
.text, #text, p{  
    color:rgb(163, 233, 253)  
}
```

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(163, 233, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 233, 253) }
```

## Border

The CSS property to change the border of an element to XYZ 61.9728, 73.1562, 103.7828 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(163, 233, 253) }
```



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

```
.border{ border-color:rgb(163, 233, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 233, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 233, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 233, 253);  
box-shadow:4px 4px 4px 4px rgb(163, 233,  
253) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.9728, 73.1562, 103.7828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 233, 253) }
```

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

```
.background{ background-color: rgb(163,  
233, 253) }
```

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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