

Converting Colors

XYZ(71.8912, 75.0917,
164.1972)

Have a look what the booklet for
XYZ(71.8912, 75.0917, 164.1972)
contains.

XYZ(60.7673, 70.8357, 105.0776)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(60.7673, 70.8357,
105.0776)**

Conversions

Conversions Part 1

Format	Color
Hex	A1E5FF
RGB	161, 229, 255
RGB Percent	63%, 90%, 100%
CMY	0.3686, 0.1019, 0.0000
CMYK	0.37, 0.10, 0.00, 0.00
HSL	197°, 100%, 82%
HSV	197°, 37%, 100%
XYZ	60.7673, 70.8357, 105.0776
YIQ	211.6320, -48.8740, -6.3300

Conversions

Conversions Part 2

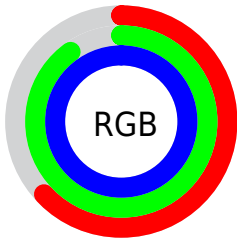
Format	Color
RYB	161, 200, 255
Decimal	10610175
CIELab	87.41, -14.97, -19.36
CIELCh	87, 24.473, 232.278
Yxy	70.8357, 0.2567, 0.2993
Android (android.graphics.Color)	4288800255 (0xFFA1E5FF)
YUV	211.6320, 21.3804, -44.4043
Hunter-Lab	84.1639, -18.4079, -15.1080

Details

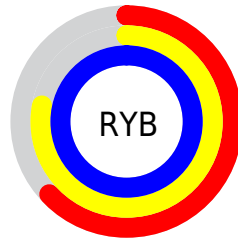
The XYZ color **60.7673, 70.8357, 105.0776** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **65.4438, 59.3742, 41.7314**, and the grayscale version is **62.2228, 65.4632, 71.2894**.

A 20% lighter version of the original color is **82.7234, 93.6454, 108.3231**, and **30.9623, 36.9676, 58.9297** is the 20% darker color. If you saturate the color by 10%, you get **54.2315, 64.6297, 104.2242**, and if you desaturate by 10%, it is **68.4342, 77.7458, 106.0073**.

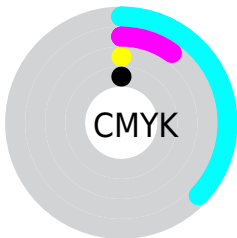
Distribution



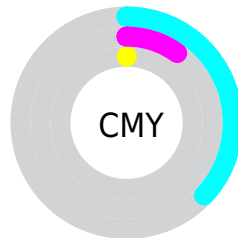
- Red (63%)
- Green (90%)
- Blue (100%)



- Red (63%)
- Yellow (78%)
- Blue (100%)



- Cyan (37%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (37%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 60.7673, 70.8357, 105.0776 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 60.7673, 70.8357, 105.0776 by changing the saturation by 10% instead.

60.7673, 70.8357,
105.0776

60.7673, 70.8357,
105.0776

417.2098,
463.4789, 597.7373

44.2892, 52.2081,
79.9074

105.0420,
120.3998, 170.2301

31.0968, 37.1710,
59.1164

133.5692,
152.1050, 211.0495

20.8248, 25.3399,
42.2862

166.8437,
188.9383, 257.9224

13.1077, 16.3305,
28.9982

205.2305,
231.2840, 311.2672

7.5803, 9.7583,
18.8339

249.0952,
279.5265, 371.5026

3.8771, 5.2390,
11.3747

298.8031,

1.6328, 2.3882,

334.0502, 439.0470

6.2021

354.7195,
395.2396, 514.3191

■ 0.4137, 0.8198,
2.8976

■ 0.0000, 0.0000,
1.0426

■ 60.7673, 70.8357,
105.0776

■ 60.7673, 70.8357,
105.0776

■ 54.2315, 64.6297,
104.2242

■ 68.4342, 77.7458,
106.0073

■ 48.7557, 59.0848,
103.4426

■ 77.2858, 85.3841,
107.0151

■ 44.2700, 54.1652,
102.7294

■ 87.3795, 93.7830,
108.1043

■ 40.6926, 49.8274,
102.0807

95.0500, 100.0000,
108.9000

■ 37.9278, 46.0205,
101.4916

■ 35.8547, 42.6807,
100.9562

■ 35.2895, 41.6989,
100.7965

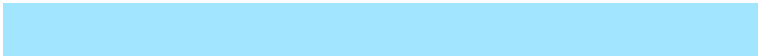
Harmonies

Analogous

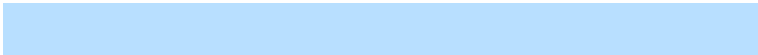
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



57.5774, 70.8357, 89.8064



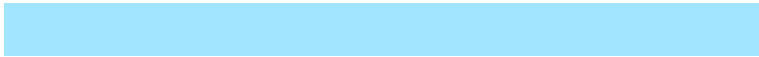
60.7673, 70.8357, 105.0776



65.8481, 70.8357, 113.0767

Triad

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



60.7673, 70.8357, 105.0776



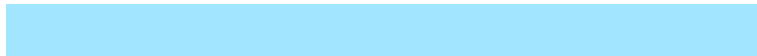
78.9256, 70.8357, 81.4748



63.2098, 70.8357, 51.3126

Complementary

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



60.7673, 70.8357, 105.0776



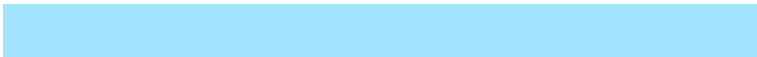
65.4438, 59.3742, 41.7314

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.



68.8283, 70.8357, 49.7415



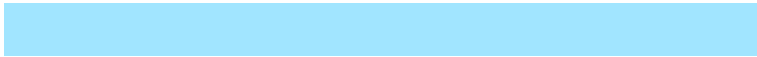
60.7673, 70.8357, 105.0776



78.1198, 70.8357, 65.7029

Square

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



60.7673, 70.8357, 105.0776



76.4860, 70.8357, 98.2383



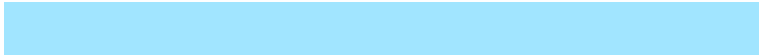
74.3430, 70.8357, 54.6341



58.9304, 70.8357, 59.2818

Rectangle

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



60.7673, 70.8357, 105.0776



69.7133, 70.8357, 112.5118



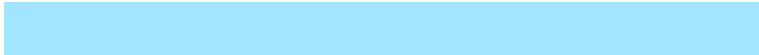
74.3430, 70.8357, 54.6341



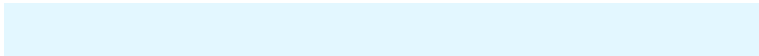
64.9962, 70.8357, 50.0696

Sweetspot

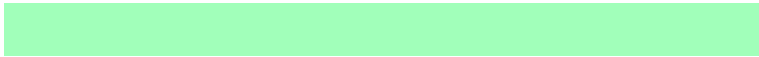
The Sweet Spot groups the original color and five complimentary colors.



60.7693, 70.8384, 105.0780



83.0477, 90.2126, 107.6434



59.3292, 82.6457, 59.3186



17.4821, 19.0651, 23.0085



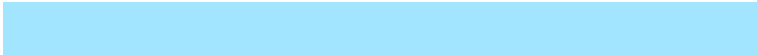
0.0000, 0.0000, 0.0000



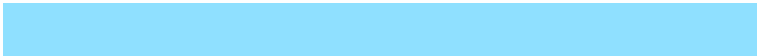
20.3446, 21.4041, 23.3091

Same Dimension

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



60.7693, 70.8384, 105.0780



55.9905, 66.3366, 104.4610



49.6693, 48.6384, 101.3780



18.1052, 19.5820, 23.0754



18.5713, 22.0521, 52.7123



1.9000, 2.3306, 5.1630

Inverse Universe

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



68.1291, 52.4087, 80.6568



64.4828, 46.2251, 76.0229



76.8315, 82.1495, 45.5273



18.5658, 18.2096, 21.5964



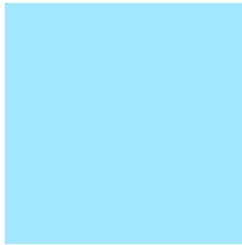
26.1621, 12.9541, 25.3019



2.5936, 1.2798, 2.7074

Previews

White Background



This preview shows how the XYZ color 60.7673, 70.8357, 105.0776 looks on a white background.

Color Contrast Check

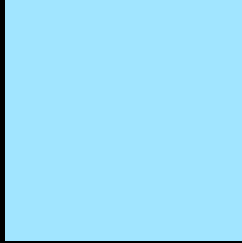
Large Text (above 18pt) WCAG AA × Fail

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 60.7673, 70.8357, 105.0776 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 60.7673, 70.8357, 105.0776

Background



This preview shows how black text looks on a background with the XYZ color 60.7673, 70.8357, 105.0776.



This preview shows how white text looks on a background with the XYZ color 60.7673, 70.8357,

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

60.7673, 70.8357, 105.0776

Protanopia

69.3329, 70.6373, 97.9758

Deuteranopia

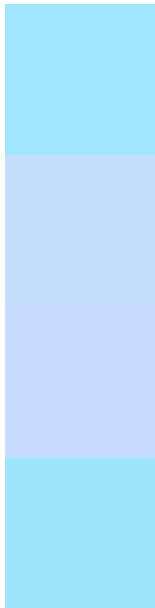
71.6118, 70.5288, 104.4468



Tritanopia

59.6938, 70.8041, 100.1429

Trichromacy



Original Color

60.7673, 70.8357, 105.0776

Protanomaly

65.6174, 70.2171, 100.5373

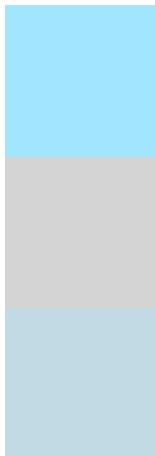
Deuteranomaly

66.9347, 70.0251, 104.5961

Tritanomaly

60.2066, 71.0322, 101.8042

Monochromacy



Original Color

60.7673, 70.8357, 105.0776

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

61.0673, 67.0817, 83.1283

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.7673, 70.8357, 105.0776 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(161, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(161, 229, 255)  
}
```

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(161, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 229, 255) }
```

Border

The CSS property to change the border of an element to XYZ 60.7673, 70.8357, 105.0776 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(161, 229, 255) }
```


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

```
.border{ border-color:rgb(161, 229, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 229, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 229, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 229, 255);  
box-shadow:4px 4px 4px 4px rgb(161, 229,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 60.7673, 70.8357, 105.0776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 229, 255) }
```

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

```
.background{ background-color: rgb(161,  
229, 255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor