

Converting Colors

XYZ(63.7073, 77.0138,
106.1152)

Have a look what the booklet for
XYZ(63.7073, 77.0138, 106.1152)
contains.

XYZ(63.7073, 77.0138, 106.1152)	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(63.7073, 77.0138,
106.1152)**

Conversions

Conversions Part 1

Format	Color
Hex	A0F0FF
RGB	160, 240, 255
RGB Percent	63%, 94%, 100%
CMY	0.3725, 0.0588, 0.0000
CMYK	0.37, 0.06, 0.00, 0.00
HSL	189°, 100%, 81%
HSV	189°, 37%, 100%
XYZ	63.7073, 77.0138, 106.1152
YIQ	217.7900, -52.4950, -12.2950

Conversions

Conversions Part 2

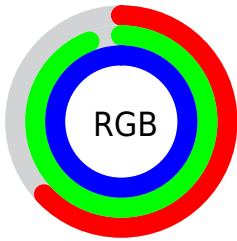
Format	Color
R _{YB}	160, 203, 255
Decimal	10547455
CIE _{Lab}	90.33, -20.73, -14.97
CIE _{LCh}	90, 25.572, 215.823
Y _{xy}	77.0138, 0.2581, 0.3120
Android (android.graphics.Color)	4288737535 (0xFFA0F0FF)
YUV	217.7900, 18.3445, -50.6818
Hunter-Lab	87.7575, -23.9941, -10.2624

Details

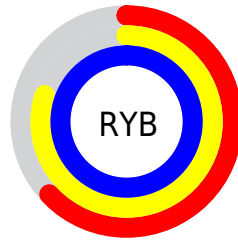
The XYZ color **63.7073, 77.0138, 106.1152** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **62.9154, 54.4580, 40.4550**, and the grayscale version is **66.4013, 69.8594, 76.0768**.

A 20% lighter version of the original color is **82.7234, 93.6454, 108.3231**, and **33.0425, 41.3013, 59.6565** is the 20% darker color. If you saturate the color by 10%, you get **57.9515, 72.3087, 105.5103**, and if you desaturate by 10%, it is **70.5390, 82.3163, 106.7786**.

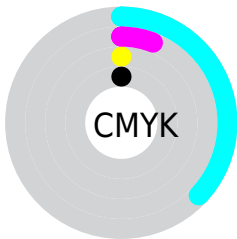
Distribution



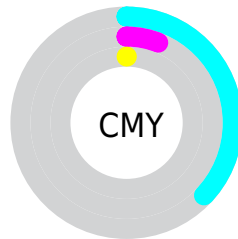
- Red (63%)
- Green (94%)
- Blue (100%)



- Red (63%)
- Yellow (80%)
- Blue (100%)



- Cyan (37%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (37%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.7073, 77.0138, 106.1152 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 63.7073, 77.0138, 106.1152 by changing the saturation by 10% instead.

63.7073, 77.0138,
106.1152

63.7073, 77.0138,
106.1152

427.7509,
484.8111, 601.0390

46.6744, 57.2642,
80.7721

109.2654,
129.1590, 171.6607

32.9852, 41.2174,
59.8240

138.5213,
162.3233, 212.7002

22.2743, 28.4890,
42.8524

172.5823,
200.7280, 259.8088

14.1763, 18.6946,
29.4388

211.8138,
244.7575, 313.4052

8.3259, 11.4498,
19.1646

256.5810,
294.7962, 373.9079

4.3578, 6.3702,
11.6113

307.2493,

1.9065, 3.0715,

351.2284, 441.7354

6.3602

364.1842,
414.4386, 517.3062

■ 0.5806, 1.1692,
2.9930

■ 0.0000, 0.0363,
1.0911

■ 63.7073, 77.0138,
106.1152

■ 63.7073, 77.0138,
106.1152

■ 57.9515, 72.3087,
105.5103

■ 70.5390, 82.3163,
106.7786

■ 53.2007, 68.1586,
104.9597

■ 78.4994, 88.2381,
107.5020

■ 49.3856, 64.5294,
104.4603

■ 87.6453, 94.8105,
108.2886

■ 46.4247, 61.3788,
104.0082

95.0500, 100.0000,
108.9000

■ 44.2225, 58.6574,
103.5990

■ 42.6557, 56.3013,
103.2268

■ 42.2860, 55.6920,
103.1287

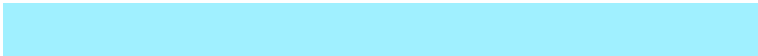
Harmonies

Analogous

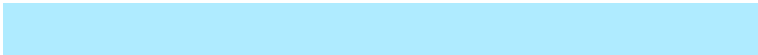
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



61.6741, 77.0138, 87.4658



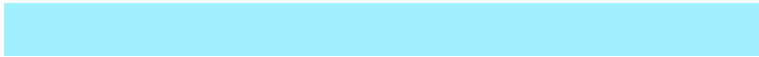
63.7073, 77.0138, 106.1152



68.2950, 77.0138, 120.1139

Triad

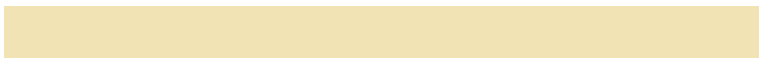
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



63.7073, 77.0138, 106.1152



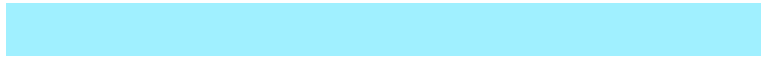
84.9557, 77.0138, 99.0629



71.9632, 77.0138, 53.5659

Complementary

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



63.7073, 77.0138, 106.1152



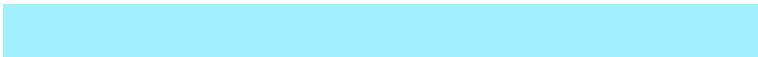
62.9154, 54.4580, 40.4550

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.



78.3329, 77.0138, 55.7434



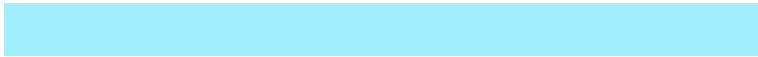
63.7073, 77.0138, 106.1152



86.0777, 77.0138, 80.3448

Square

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



63.7073, 77.0138, 106.1152



80.6073, 77.0138, 115.6464



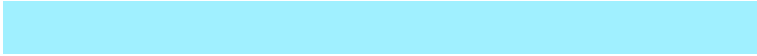
83.5902, 77.0138, 64.9481



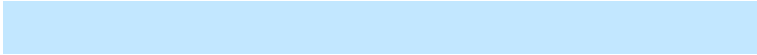
66.2597, 77.0138, 58.4994

Rectangle

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



63.7073, 77.0138, 106.1152



72.3105, 77.0138, 123.9466



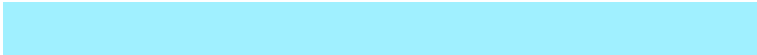
83.5902, 77.0138, 64.9481



74.0953, 77.0138, 53.5007

Sweetspot

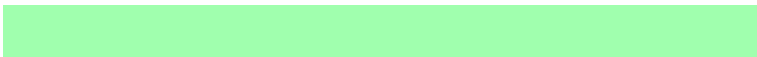
The Sweet Spot groups the original color and five complimentary colors.



63.7094, 77.0167, 106.1156



84.0765, 92.2701, 107.9863



57.9227, 82.0599, 52.9604



17.7284, 19.5578, 23.0906



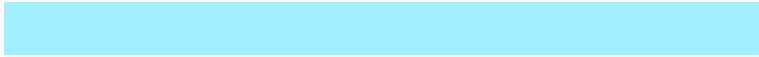
0.0000, 0.0000, 0.0000



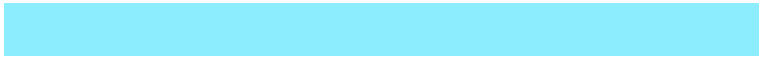
20.3446, 21.4041, 23.3091

Same Dimension

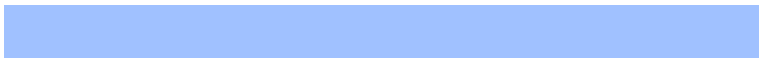
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.7094, 77.0167, 106.1156



59.1586, 73.3196, 105.6418



51.6739, 52.9457, 102.1038



18.2963, 19.9642, 23.1391



22.1869, 29.2833, 53.9175



2.2229, 2.9766, 5.2706

Inverse Universe

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



69.5403, 52.6945, 88.9473



65.9241, 46.1971, 85.4758



73.6408, 75.9088, 44.0301



18.6622, 18.2482, 22.1043



27.9871, 13.6841, 34.9122



2.7566, 1.3450, 3.5659

Previews

White Background



This preview shows how the XYZ color 63.7073, 77.0138, 106.1152 looks on a white background.

Color Contrast Check

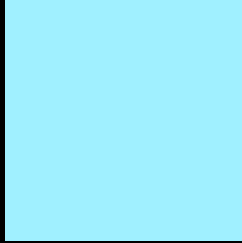
Large Text (above 18pt) WCAG AA × Fail

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 63.7073, 77.0138, 106.1152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

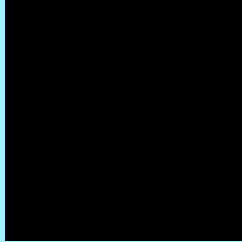
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.7073, 77.0138, 106.1152

Background



This preview shows how black text looks on a background with the XYZ color 63.7073, 77.0138, 106.1152.

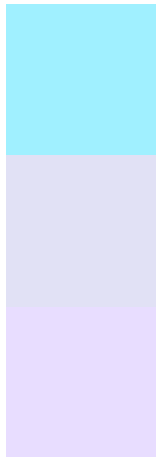


This preview shows how white text looks on a background with the XYZ color 63.7073, 77.0138,

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

63.7073, 77.0138, 106.1152

Protanopia

74.4580, 76.4506, 97.2183

Deuteranopia

77.1852, 76.0887, 105.2262



Tritanopia

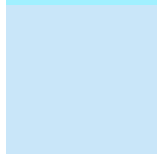
65.4191, 77.0270, 106.0275

Trichromacy



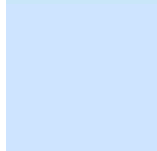
Original Color

63.7073, 77.0138, 106.1152



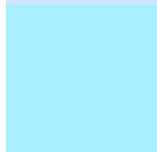
Protanomaly

69.4831, 75.8507, 100.6010



Deuteranomaly

71.2470, 75.8286, 105.4890



Tritanomaly

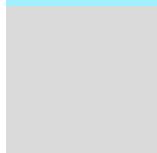
64.8529, 77.1685, 106.0846

Monochromacy



Original Color

63.7073, 77.0138, 106.1152



Achromatopsia

66.6397, 70.1102, 76.3500



Achromatomaly

64.6461, 72.0326, 86.0978

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.7073, 77.0138, 106.1152 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(160, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(160, 240, 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(160, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 240, 255) }
```

Border

The CSS property to change the border of an element to XYZ 63.7073, 77.0138, 106.1152 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(160, 240, 255) }
```


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

```
.border{ border-color:rgb(160, 240, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(160, 240,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 63.7073, 77.0138, 106.1152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 240, 255) }
```

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

```
.background{ background-color: rgb(160,  
240, 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](#).

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