

Converting Colors

XYZ(74.6374, 84.6617,
163.7986)

Have a look what the booklet for
XYZ(74.6374, 84.6617, 163.7986)
contains.

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Color

**XYZ(63.7052, 80.1311,
106.7170)**

Conversions

Conversions Part 1

Format	Color
Hex	95F7FF
RGB	149, 247, 255
RGB Percent	58%, 97%, 100%
CMY	0.4157, 0.0314, 0.0000
CMYK	0.42, 0.03, 0.00, 0.00
HSL	185°, 100%, 79%
HSV	185°, 42%, 100%
XYZ	63.7052, 80.1311, 106.7170
YIQ	218.6100, -60.9760, -18.2880

Conversions

Conversions Part 2

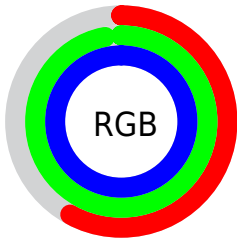
Format	Color
R_{YB}	149, 200, 255
Decimal	9828351
CIE _{Lab}	91.74, -26.84, -12.90
CIE _{LCh}	92, 29.780, 205.669
Yxy	80.1311, 0.2543, 0.3198
Android (android.graphics.Color)	4288018431 (0xFF95F7FF)
YUV	218.6100, 17.9403, -61.0480
Hunter-Lab	89.5160, -29.6211, -8.0217

Details

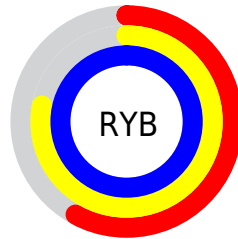
The XYZ color **63.7052, 80.1311, 106.7170** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **58.7222, 47.5442, 34.5177**, and the grayscale version is **66.9738, 70.4616, 76.7327**.

A 20% lighter version of the original color is **79.8224, 92.1499, 108.1874**, and **32.8229, 43.0778, 60.0110** is the 20% darker color. If you saturate the color by 10%, you get **58.9676, 76.8219, 106.3279**, and if you desaturate by 10%, it is **69.4716, 83.9835, 107.1566**.

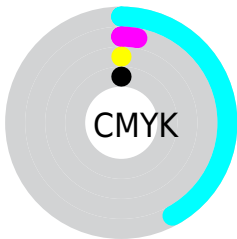
Distribution



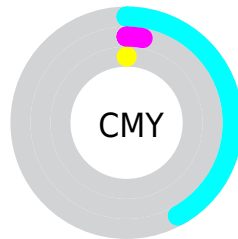
- Red (58%)
- Green (97%)
- Blue (100%)



- Red (58%)
- Yellow (78%)
- Blue (100%)



- Cyan (42%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (42%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.7052, 80.1311, 106.7170 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 63.7052, 80.1311, 106.7170 by changing the saturation by 10% instead.

63.7052, 80.1311,
106.7170

63.7052, 80.1311,
106.7170

427.7434,
495.3745, 602.9496

46.6727, 59.8262,
81.2739

109.2624,
133.5500, 172.4898

32.9839, 43.2786,
60.2349

138.5178,
167.4329, 213.6565

22.2733, 30.1038,
43.1814

172.5783,
206.6106, 260.9015

14.1756, 19.9174,
29.6950

211.8091,
251.4674, 314.6433

8.3254, 12.3350,
19.3571

256.5757,
302.3878, 375.3005

4.3574, 6.9722,
11.7492

307.2433,

1.9063, 3.4448,

359.7562, 443.2916

6.4527

364.1775,
423.9570, 519.0351

■ 0.5805, 1.3681,
3.0490

■ 0.0000, 0.1930,
1.1197

■ 63.7052, 80.1311,
106.7170

■ 63.7052, 80.1311,
106.7170

■ 58.9676, 76.8219,
106.3279

■ 69.4716, 83.9835,
107.1566

■ 55.1851, 74.0122,
105.9850

■ 76.3214, 88.4016,
107.6484

■ 52.2847, 71.6661,
105.6850

■ 84.3132, 93.4174,
108.1953

■ 50.1798, 69.7390,
105.4240

■ 93.4993, 99.0580,
108.7999

■ 48.7662, 68.1773,
105.1970

95.0500, 100.0000,
108.9000

■ 47.9776, 67.0751,
105.0259

Harmonies

Analogous

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



62.4668, 80.1311, 84.1188



63.7052, 80.1311, 106.7170



68.1944, 80.1311, 126.6899

Triad

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



63.7052, 80.1311, 106.7170



88.9134, 80.1311, 113.1177



77.2739, 80.1311, 51.7402

Complementary

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



63.7052, 80.1311, 106.7170



58.7222, 47.5442, 34.5177

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.



84.7276, 80.1311, 56.9829



63.7052, 80.1311, 106.7170



91.7259, 80.1311, 90.4562

Square

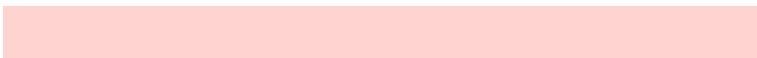
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



63.7052, 80.1311, 106.7170



82.6868, 80.1311, 130.7965



90.1457, 80.1311, 70.3057



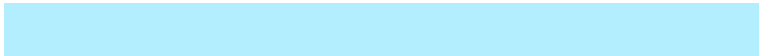
69.9902, 80.1311, 54.6308

Rectangle

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



63.7052, 80.1311, 106.7170



72.5930, 80.1311, 134.5458



90.1457, 80.1311, 70.3057



79.8466, 80.1311, 52.5817

Sweetspot

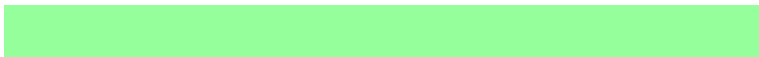
The Sweet Spot groups the original color and five complimentary colors.



63.7073, 80.1341, 106.7174



83.9426, 93.1873, 108.1704



54.1620, 80.3127, 44.1313



17.7309, 19.7990, 23.1370



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.



63.7073, 80.1341, 106.7174



59.6452, 77.3067, 106.3858



49.9460, 52.6115, 102.1303



18.4307, 20.2330, 23.1839



25.1187, 35.1470, 54.8947



2.4792, 3.4892, 5.3561

Inverse Universe

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



68.7773, 49.4720, 93.9232



65.4339, 43.1842, 91.5789



69.4825, 69.0647, 38.1044



18.7300, 18.2753, 22.4615



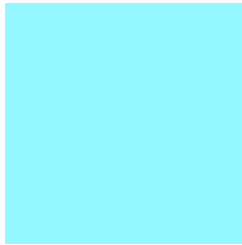
29.4670, 14.2761, 42.7050



2.8860, 1.3968, 4.2472

Previews

White Background



This preview shows how the XYZ color 63.7052, 80.1311, 106.7170 looks on a white background.

Color Contrast Check

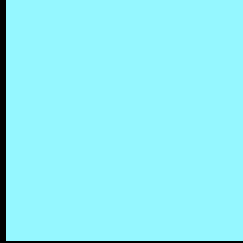
Large Text (above 18pt) WCAG AA × Fail

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 63.7052, 80.1311, 106.7170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

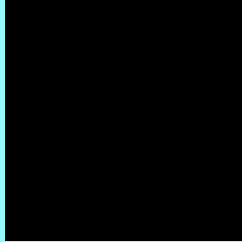
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.7052, 80.1311, 106.7170

Background



This preview shows how black text looks on a background with the XYZ color 63.7052, 80.1311, 106.7170.

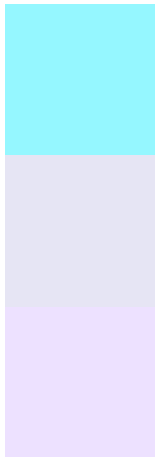


This preview shows how white text looks on a background with the XYZ color 63.7052, 80.1311,

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

63.7052, 80.1311, 106.7170

Protanopia

76.9816, 79.3933, 96.8550

Deuteranopia

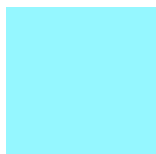
79.9003, 79.0750, 105.6595



Tritanopia

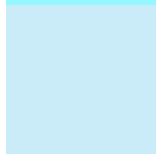
68.3277, 79.8339, 106.4160

Trichromacy



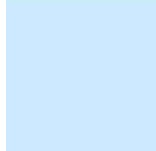
Original Color

63.7052, 80.1311, 106.7170



Protanomaly

71.0261, 79.1857, 100.3478



Deuteranomaly

72.3658, 78.4770, 105.9412



Tritanomaly

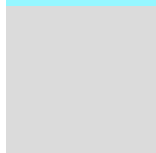
66.4628, 79.7562, 106.4993

Monochromacy



Original Color

63.7052, 80.1311, 106.7170



Achromatopsia

67.3311, 70.8376, 77.1421



Achromatomaly

64.8329, 73.3342, 87.0818

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.7052, 80.1311, 106.7170 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(149, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(149, 247, 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(149, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 247, 255) }
```

Border

The CSS property to change the border of an element to XYZ 63.7052, 80.1311, 106.7170 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(149, 247, 255) }
```


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

```
.border{ border-color:rgb(149, 247, 255) }
```

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

Here you see how a box with a 4 pixel rgb(149, 247, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(149, 247,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 63.7052, 80.1311, 106.7170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 247, 255) }
```

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

```
.background{ background-color: rgb(149,  
247, 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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