

Converting Colors

XYZ(63.6036, 79.5127,
106.6030)

Have a look what the booklet for
XYZ(63.6036, 79.5127, 106.6030)
contains.

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Color

**XYZ(63.7683, 79.7108,
106.6325)**

Conversions

Conversions Part 1

Format	Color
Hex	97F6FF
RGB	151, 246, 255
RGB Percent	59%, 96%, 100%
CMY	0.4078, 0.0353, 0.0000
CMYK	0.41, 0.04, 0.00, 0.00
HSL	185°, 100%, 80%
HSV	185°, 41%, 100%
XYZ	63.7683, 79.7108, 106.6325
YIQ	218.6210, -59.5090, -17.3410

Conversions

Conversions Part 2

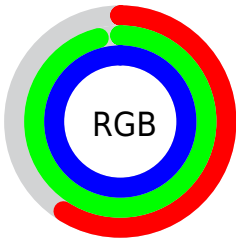
Format	Color
R_{YB}	151, 201, 255
Decimal	9959167
CIE _{Lab}	91.55, -25.88, -13.17
CIE _{LCh}	92, 29.042, 206.973
Yxy	79.7108, 0.2550, 0.3187
Android (android.graphics.Color)	4288149247 (0xFF97F6FF)
YUV	218.6210, 17.9348, -59.3036
Hunter-Lab	89.2809, -28.7491, -8.3163

Details

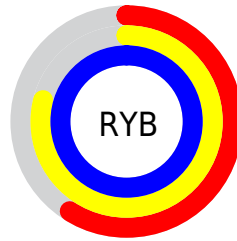
The XYZ color **63.7683, 79.7108, 106.6325** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **59.3973, 48.6365, 35.5375**, and the grayscale version is **66.9807, 70.4689, 76.7406**.

A 20% lighter version of the original color is **80.1045, 92.2953, 108.2006**, and **32.9048, 42.7996, 59.9530** is the 20% darker color. If you saturate the color by 10%, you get **58.8714, 76.1981, 106.2126**, and if you desaturate by 10%, it is **69.7009, 83.7730, 107.1039**.

Distribution



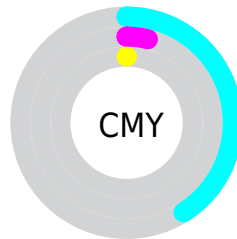
- Red (59%)
- Green (96%)
- Blue (100%)



- Red (59%)
- Yellow (79%)
- Blue (100%)



- Cyan (41%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (41%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.7683, 79.7108, 106.6325 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 63.7683, 79.7108, 106.6325 by changing the saturation by 10% instead.

63.7683, 79.7108,
106.6325

63.7683, 79.7108,
106.6325

427.9679,
493.9577, 602.6815

46.7240, 59.4804,
81.2034

109.3528,
132.9591, 172.3734

33.0246, 43.0000,
60.1772

138.6237,
166.7457, 213.5223

22.3046, 29.8851,
43.1352

172.7009,
205.8199, 260.7481

14.1987, 19.7514,
29.6590

211.9496,
250.5660, 314.4696

8.3416, 12.2145,
19.3301

256.7354,
301.3684, 375.1051

4.3680, 6.8899,
11.7298

307.4234,

1.9123, 3.3933,

358.6116, 443.0732

6.4397

364.3792,
422.6799, 518.7925

■ 0.5840, 1.3404,
3.0411

■ 0.0000, 0.1721,
1.1157

■ 63.7683, 79.7108,
106.6325

■ 63.7683, 79.7108,
106.6325

■ 58.8714, 76.1981,
106.2126

■ 69.7009, 83.7730,
107.1039

■ 54.9370, 73.1915,
105.8396

■ 76.7234, 88.4071,
107.6283

■ 51.8929, 70.6556,
105.5106

■ 84.8940, 93.6450,
108.2086

■ 49.6534, 68.5462,
105.2215

■ 94.2648, 99.5135,
108.8475

■ 48.1162, 66.8105, 95.0500, 100.0000,
104.9675 108.9000

■ 47.1724, 65.4648,
104.7575

Harmonies

Analogous

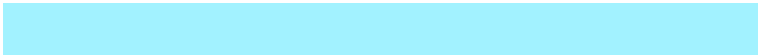
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.4149, 79.7108, 84.6561



63.7683, 79.7108, 106.6325



68.2642, 79.7108, 125.6665

Triad

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



63.7683, 79.7108, 106.6325



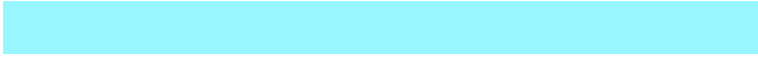
88.3386, 79.7108, 110.9681



76.5170, 79.7108, 52.1067

Complementary

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



63.7683, 79.7108, 106.6325



59.3973, 48.6365, 35.5375

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.



83.7912, 79.7108, 56.8951



63.7683, 79.7108, 106.6325



90.8895, 79.7108, 88.9626

Square

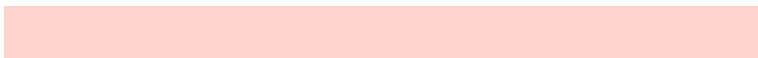
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



63.7683, 79.7108, 106.6325



82.4062, 79.7108, 128.4425



89.1741, 79.7108, 69.5783



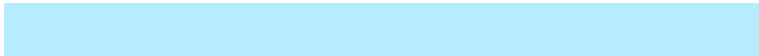
69.4862, 79.7108, 55.2857

Rectangle

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



63.7683, 79.7108, 106.6325



72.5984, 79.7108, 132.8907



89.1741, 79.7108, 69.5783



79.0177, 79.7108, 52.8163

Sweetspot

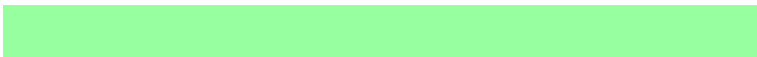
The Sweet Spot groups the original color and five complimentary colors.



63.7704, 79.7138, 106.6330



83.8360, 92.9740, 108.1349



54.8399, 80.6264, 45.7792



17.7056, 19.7484, 23.1286



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.



63.7704, 79.7138, 106.6330



59.6719, 76.7864, 106.2840



50.1801, 52.5332, 102.1029



18.4126, 20.1968, 23.1779



24.7044, 34.3183, 54.7566



2.4433, 3.4172, 5.3441

Inverse Universe

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



68.9426, 50.0489, 93.2188



65.5875, 43.7819, 90.7343



70.2871, 70.4160, 39.1674



18.7209, 18.2717, 22.4134



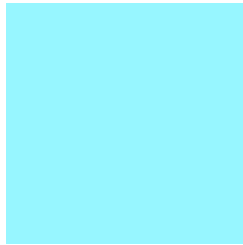
29.2578, 14.1924, 41.6037



2.8679, 1.3895, 4.1515

Previews

White Background



This preview shows how the XYZ color 63.7683, 79.7108, 106.6325 looks on a white background.

Color Contrast Check

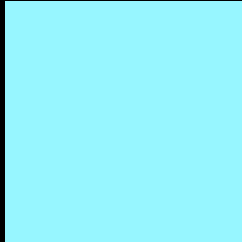
Large Text (above 18pt) WCAG AA × Fail

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 63.7683, 79.7108, 106.6325 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

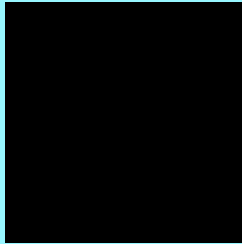
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.7683, 79.7108, 106.6325

Background



This preview shows how black text looks on a background with the XYZ color 63.7683, 79.7108, 106.6325.

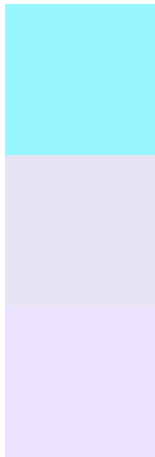


This preview shows how white text looks on a background with the XYZ color 63.7683, 79.7108,

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

63.7683, 79.7108, 106.6325

Protanopia

76.7057, 78.8415, 96.7631

Deuteranopia

79.5673, 78.9033, 105.6440



Tritanopia

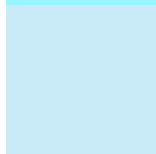
67.8005, 79.1239, 106.3067

Trichromacy



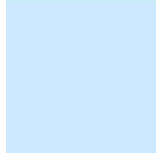
Original Color

63.7683, 79.7108, 106.6325



Protanomaly

70.7390, 78.6115, 100.2521



Deuteranomaly

72.3658, 78.4770, 105.9412



Tritanomaly

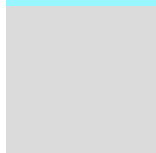
66.1643, 79.1593, 106.3998

Monochromacy



Original Color

63.7683, 79.7108, 106.6325



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 63.7683, 79.7108, 106.6325 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(151, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(151, 246, 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(151, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 246, 255) }
```

Border

The CSS property to change the border of an element to XYZ 63.7683, 79.7108, 106.6325 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(151, 246, 255) }
```


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

```
.border{ border-color:rgb(151, 246, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(151, 246,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 63.7683, 79.7108, 106.6325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 246, 255) }
```

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

```
.background{ background-color: rgb(151,  
246, 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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