

Converting Colors

XYZ(65.9995, 83.6163,
107.2688)

Have a look what the booklet for
XYZ(65.9995, 83.6163, 107.2688)
contains.

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Color

**XYZ(65.9973, 83.6131,
107.2683)**

Conversions

Conversions Part 1

Format	Color
Hex	99FCFF
RGB	153, 252, 255
RGB Percent	60%, 99%, 100%
CMY	0.4000, 0.0117, 0.0000
CMYK	0.40, 0.01, 0.00, 0.00
HSL	182°, 100%, 80%
HSV	182°, 40%, 100%
XYZ	65.9973, 83.6131, 107.2683
YIQ	222.7410, -59.9670, -20.0550

Conversions

Conversions Part 2

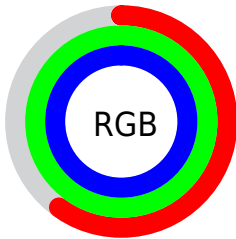
Format	Color
RYB	153, 203, 255
Decimal	10091775
CIELab	93.28, -28.29, -10.59
CIELCh	93, 30.203, 200.523
Yxy	83.6131, 0.2569, 0.3255
Android (android.graphics.Color)	4288281855 (0xFF99FCFF)
YUV	222.7410, 15.9037, -61.1629
Hunter-Lab	91.4402, -31.1873, -5.5448

Details

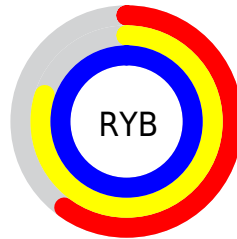
The XYZ color **65.9973, 83.6131, 107.2683** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **58.8787, 47.3371, 36.1727**, and the grayscale version is **69.8787, 73.5178, 80.0609**.

A 20% lighter version of the original color is **80.9614, 92.7370, 108.2407**, and **34.4275, 45.5403, 60.4017** is the 20% darker color. If you saturate the color by 10%, you get **61.4548, 80.9249, 106.9888**, and if you desaturate by 10%, it is **71.5736, 86.8397, 107.5971**.

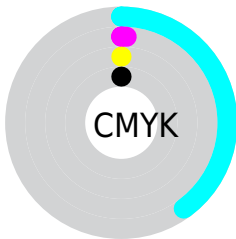
Distribution



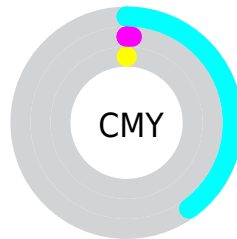
- Red (60%)
- Green (99%)
- Blue (100%)



- Red (60%)
- Yellow (80%)
- Blue (100%)



- Cyan (40%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)



- Cyan (40%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.9973, 83.6131, 107.2683 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 65.9973, 83.6131, 107.2683 by changing the saturation by 10% instead.

65.9973, 83.6131,
107.2683

65.9973, 83.6131,
107.2683

435.8560,
507.0276, 604.6972

48.5379, 62.6961,
81.7337

112.5402,
138.4338, 173.2489

34.4661, 45.5954,
60.6115

142.3544,
173.1063, 214.5319

23.4165, 31.9266,
43.4832

177.0177,
213.1327, 261.9016

15.0237, 21.3055,
29.9302

216.8952,
258.8974, 315.7763

8.9225, 13.3475,
19.5340

262.3525,
310.7849, 376.5747

4.7473, 7.6683,
11.8761

313.7548,

2.1330, 3.8834,

369.1795, 444.7153

6.5378

371.4675,
434.4656, 520.6166

■ 0.7071, 1.6086,
3.1008

■ 0.0000, 0.3634,
1.1463

■ 65.9973, 83.6131,
107.2683

■ 65.9973, 83.6131,
107.2683

■ 61.4548, 80.9249,
106.9888

■ 71.5736, 86.8397,
107.5971

■ 57.8732, 78.7314,
106.7542

■ 78.2372, 90.6261,
107.9768

■ 55.1810, 76.9978,
106.5615

■ 86.0460, 95.0043,
108.4103

■ 53.2938, 75.6805,
106.4067

95.0500, 100.0000,
108.9000

■ 52.1107, 74.7276,
106.2851

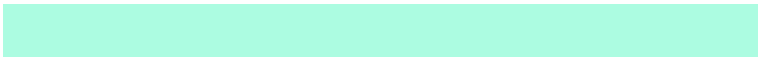
■ 51.4672, 74.0542,
106.1890

■ 51.4671, 74.0541,
106.1890

Harmonies

Analogous

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



65.3267, 83.6131, 84.0204



65.9973, 83.6131, 107.2683



70.1434, 83.6131, 129.1884

Triad

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



65.9973, 83.6131, 107.2683



91.8653, 83.6131, 121.8085



82.0155, 83.6131, 54.3246

Complementary

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



65.9973, 83.6131, 107.2683



58.8787, 47.3371, 36.1727

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.



89.5925, 83.6131, 61.2554



65.9973, 83.6131, 107.2683



95.5241, 83.6131, 98.4411

Square

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



65.9973, 83.6131, 107.2683



84.9526, 83.6131, 138.5068



94.6657, 83.6131, 76.5378



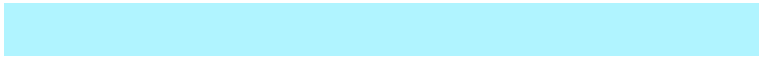
74.2319, 83.6131, 55.8853

Rectangle

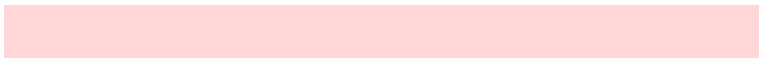
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65.9973, 83.6131, 107.2683



74.4828, 83.6131, 138.8688



94.6657, 83.6131, 76.5378



84.6787, 83.6131, 55.6880

Sweetspot

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



65.9995, 83.6163, 107.2688



84.3885, 94.0792, 108.3191



54.7894, 80.6494, 43.5596



17.8366, 20.0104, 23.1723



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

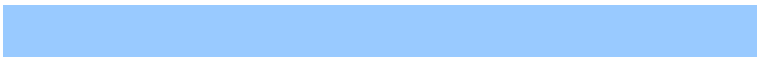
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.9995, 83.6163, 107.2688



62.2837, 81.4217, 107.0410



52.3793, 56.3759, 102.7287



18.5064, 20.3845, 23.2092



26.9132, 38.7359, 55.4929



2.6343, 3.7993, 5.4078

Inverse Universe

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



70.2034, 51.0725, 98.2569



67.0494, 44.9163, 96.7377



68.9898, 67.5594, 39.5431



18.7683, 18.2906, 22.6628



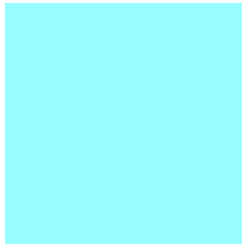
30.3727, 14.6384, 47.4746



2.9643, 1.4281, 4.6593

Previews

White Background



This preview shows how the XYZ color 65.9973, 83.6131, 107.2683 looks on a white background.

Color Contrast Check

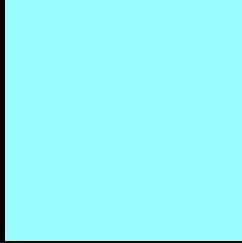
Large Text (above 18pt) WCAG AA × Fail

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 65.9973, 83.6131, 107.2683 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

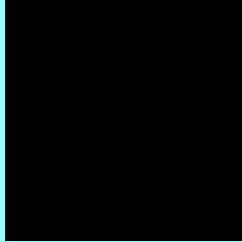
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.9973, 83.6131, 107.2683

Background



This preview shows how black text looks on a background with the XYZ color 65.9973, 83.6131, 107.2683.

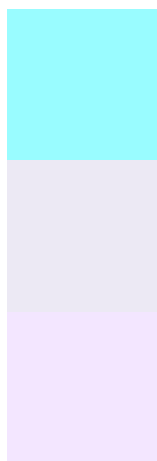


This preview shows how white text looks on a background with the XYZ color 65.9973, 83.6131,

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

65.9973, 83.6131, 107.2683

Protanopia

80.0601, 82.6423, 97.3199

Deuteranopia

83.3090, 82.8683, 106.2121



Tritanopia

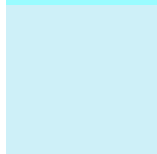
72.8655, 83.0569, 106.7989

Trichromacy



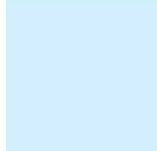
Original Color

65.9973, 83.6131, 107.2683



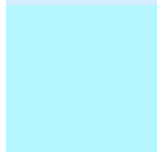
Protanomaly

73.5570, 82.2193, 100.8000



Deuteranomaly

75.2029, 82.0707, 106.4854



Tritanomaly

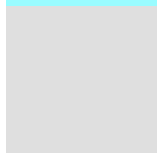
69.8282, 82.8348, 106.9161

Monochromacy



Original Color

65.9973, 83.6131, 107.2683



Achromatopsia

70.1384, 73.7910, 80.3584



Achromatomaly

67.7069, 76.8496, 89.8622

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.9973, 83.6131, 107.2683 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(153, 252, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 252, 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(153, 252, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 252, 255) }
```

Border

The CSS property to change the border of an element to XYZ 65.9973, 83.6131, 107.2683 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(153, 252, 255) }
```


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

```
.border{ border-color:rgb(153, 252, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 252, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 252, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 252, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 252,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 65.9973, 83.6131, 107.2683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 252, 255) }
```

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

```
.background{ background-color: rgb(153,  
252, 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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