

# Converting Colors

XYZ(78.9738, 120.0505,  
109.1070)

Have a look what the booklet for  
XYZ(78.9738, 120.0505, 109.1070)  
contains.

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# Color

**XYZ(59.9547, 81.9995,  
103.1100)**

# Conversions

## Conversions Part 1

Format	Color
Hex	72FFFA
RGB	114, 255, 250
RGB Percent	45%, 100%, 98%
CMY	0.5529, 0.0000, 0.0196
CMYK	0.55, 0.00, 0.02, 0.00
HSL	178°, 100%, 72%
HSV	178°, 55%, 100%
XYZ	59.9547, 81.9995, 103.1100
YIQ	212.2710, -82.4310, -31.4470

# Conversions

## Conversions Part 2

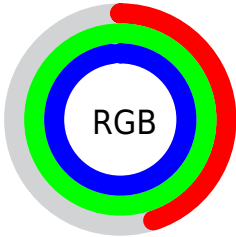
<b>Format</b>	<b>Color</b>
<b>RYB</b>	114, 186, 255
Decimal	7536634
CIELab	92.57, -39.18, -9.20
CIELCh	93, 40.250, 193.218
Yxy	81.9995, 0.2446, 0.3346
Android (android.graphics.Color)	4285726714 (0xFF72FFFA)
YUV	212.2710, 18.6004, -86.1837
Hunter-Lab	90.5536, -40.2855, -4.1238

# Details

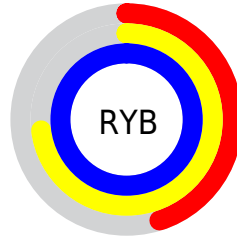
The XYZ color **59.9547, 81.9995, 103.1100** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **50.5881, 34.6281, 21.4718**, and the grayscale version is **62.6796, 65.9438, 71.8128**.

A 20% lighter version of the original color is **71.9415, 88.0871, 107.8185**, and **30.6946, 44.6765, 58.0446** is the 20% darker color. If you saturate the color by 10%, you get **56.9467, 80.4652, 102.2324**, and if you desaturate by 10%, it is **63.8899, 84.0117, 104.0374**.

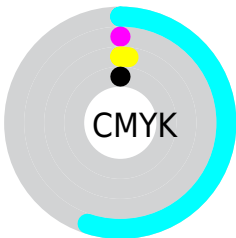
# Distribution



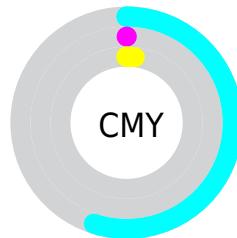
- Red (45%)
- Green (100%)
- Blue (98%)



- Red (45%)
- Yellow (73%)
- Blue (100%)



- Cyan (55%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)



- Cyan (55%)
- Magenta (0%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.9547, 81.9995, 103.1100 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 59.9547, 81.9995, 103.1100 by changing the saturation by 10% instead.





 59.9547, 81.9995,  
103.1100


 59.9547, 81.9995,  
103.1100


414.2682,  
501.6460, 591.4499


 43.6314, 61.3651,  
78.2691


 103.8707,  
136.1733, 167.5135

 30.5775, 44.5199,  
57.7773


 132.1941,  
170.4815, 207.9132

 20.4276, 31.0794,  
41.2161


 165.2483,  
210.1165, 254.3362

 12.8163, 20.6593,  
28.1670

203.3986,  
255.4625, 307.2011

 7.3783, 12.8752,  
18.2114

247.0104,  
306.9041, 366.9263

 3.7482, 7.3427,  
10.9309

296.4490,

 1.5607, 3.6773,

364.8257, 433.9305

5.9068

352.0798,  
429.6115, 508.6322

■ 0.3666, 1.4947,  
2.7206

■ 0.0000, 0.2850,  
0.9538

■ 59.9547, 81.9995,  
103.1100

■ 59.9547, 81.9995,  
103.1100

■ 56.9467, 80.4652,  
102.2324

■ 63.8899, 84.0117,  
104.0374

■ 54.7837, 79.3663,  
101.3965

■ 68.8189, 86.5362,  
105.0135

■ 53.3745, 78.6561,  
100.5993

■ 74.8059, 89.6061,  
106.0426

■ 52.6056, 78.2757,  
99.8357

■ 81.9090, 93.2512,  
107.1274

■ 52.3884, 78.1714,  
99.4842

■ 90.1818, 97.4992,  
108.2707

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



60.2269, 81.9995, 73.6656



59.9547, 81.9995, 103.1100



64.1825, 81.9995, 134.8125

# Triad

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



59.9547, 81.9995, 103.1100



92.5354, 81.9995, 138.1742



83.8898, 81.9995, 44.7164

# Complementary

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



59.9547, 81.9995, 103.1100



50.5881, 34.6281, 21.4718

# 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.



93.5307, 81.9995, 55.3678



59.9547, 81.9995, 103.1100



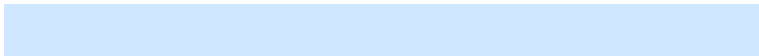
98.8199, 81.9995, 106.9662

# Square

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



59.9547, 81.9995, 103.1100



82.6271, 81.9995, 157.9044



99.1997, 81.9995, 76.7518



73.4298, 81.9995, 44.1341



# Rectangle

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



59.9547, 81.9995, 103.1100



69.2233, 81.9995, 151.1976



99.1997, 81.9995, 76.7518



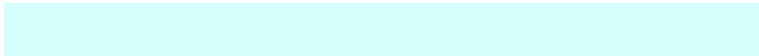
87.3551, 81.9995, 47.1071

# Sweetspot

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



59.9558, 82.0001, 103.1115



80.6141, 92.5865, 106.9380



46.6906, 76.8040, 28.2853



16.9381, 19.6548, 22.8419



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.



59.9558, 82.0001, 103.1115



56.7667, 80.3735, 102.1718



43.7418, 48.3010, 101.6253



18.5254, 20.4697, 23.0697



27.3865, 40.8512, 52.0479



2.6749, 3.9809, 5.1118



# Inverse Universe

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



50.5881, 34.6281, 21.4718



46.5850, 28.8123, 13.3846



60.0895, 54.0988, 23.1965



18.0355, 17.9975, 18.8040



21.5859, 11.1237, 1.2041

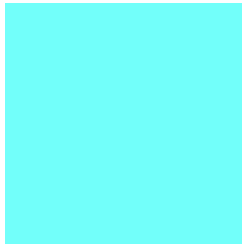


2.1105, 1.0866, 0.1634



# Previews

## White Background



This preview shows how the XYZ color 59.9547, 81.9995, 103.1100 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

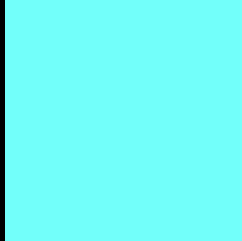
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.9547, 81.9995, 103.1100 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 59.9547, 81.9995, 103.1100

## Background



This preview shows how black text looks on a background with the XYZ color 59.9547, 81.9995, 103.1100.



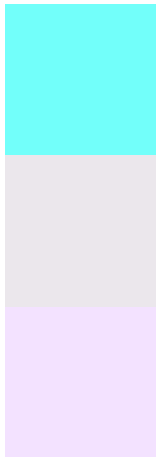
This preview shows how white text looks on a background with the XYZ color 59.9547, 81.9995,



# 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

59.9547, 81.9995, 103.1100

### Protanopia

77.9772, 80.8701, 90.8565

### Deuteranopia

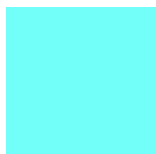
82.2085, 80.6674, 105.8453



## Tritanopia

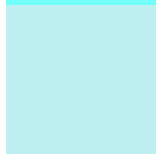
69.3920, 81.2663, 106.6364

# Trichromacy



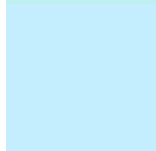
## Original Color

59.9547, 81.9995, 103.1100



## Protanomaly

68.5231, 79.7474, 95.0003



## Deuteranomaly

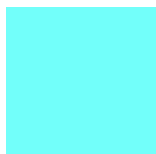
70.7788, 79.3960, 104.5230



## Tritanomaly

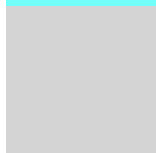
64.8950, 80.7815, 105.1006

# Monochromacy



## Original Color

59.9547, 81.9995, 103.1100



## Achromatopsia

62.5785, 65.8375, 71.6970



## Achromatomaly

59.3754, 70.2079, 82.3736

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.9547, 81.9995, 103.1100 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(114, 255, 250)` looks like.

```
.text, #text, p{  
    color:rgb(114, 255, 250)  
}
```

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(114, 255, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 255, 250) }
```

## Border

The CSS property to change the border of an element to XYZ 59.9547, 81.9995, 103.1100 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(114, 255, 250) }
```



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

```
.border{ border-color:rgb(114, 255, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 255, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 255, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 255, 250);  
box-shadow:4px 4px 4px 4px rgb(114, 255,  
250) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.9547, 81.9995, 103.1100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 255, 250) }
```

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

```
.background{ background-color: rgb(114,  
255, 250) }
```

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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