

Converting Colors

XYZ(71.2968, 87.1515,
107.6719)

Have a look what the booklet for
XYZ(71.2968, 87.1515, 107.6719)
contains.

XYZ(71.3963, 87.3337, 107.7019)	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(71.3963, 87.3337,
107.7019)**

Conversions

Conversions Part 1

Format	Color
Hex	B0FEFF
RGB	176, 254, 255
RGB Percent	69%, 100%, 100%
CMY	0.3098, 0.0039, 0.0000
CMYK	0.31, 0.00, 0.00, 0.00
HSL	181°, 100%, 85%
HSV	181°, 31%, 100%
XYZ	71.3963, 87.3337, 107.7019
YIQ	230.7920, -46.8090, -16.2250

Conversions

Conversions Part 2

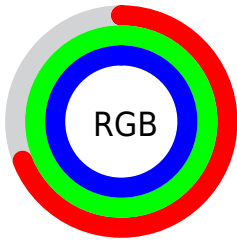
Format	Color
RYB	176, 215, 255
Decimal	11599615
CIELab	94.88, -23.41, -8.10
CIELCh	95, 24.776, 199.088
Yxy	87.3337, 0.2680, 0.3278
Android (android.graphics.Color)	4289789695 (0xFFB0FEFF)
YUV	230.7920, 11.9345, -48.0526
Hunter-Lab	93.4525, -27.1706, -2.9136

Details

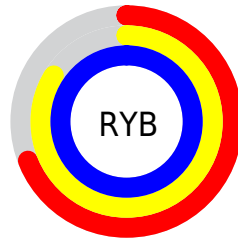
The XYZ color **71.3963, 87.3337, 107.7019** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **64.7988, 55.8386, 48.4388**, and the grayscale version is **75.7420, 79.6864, 86.7785**.

A 20% lighter version of the original color is **87.7417, 96.2324, 108.5580**, and **37.9050, 48.0028, 60.6937** is the 20% darker color. If you saturate the color by 10%, you get **66.0619, 84.4347, 107.4234**, and if you desaturate by 10%, it is **77.8183, 90.7981, 108.0321**.

Distribution



- Red (69%)
- Green (100%)
- Blue (100%)



- Red (69%)
- Yellow (84%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)




- Cyan (31%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.3963, 87.3337, 107.7019 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 71.3963, 87.3337, 107.7019 by changing the saturation by 10% instead.


 71.3963, 87.3337,
107.7019

 71.3963, 87.3337,
107.7019


454.6279,
519.3188, 606.0698

 52.9494, 65.7714,
82.0955

 120.2133,
143.6292, 173.8456

 37.9897, 48.0868,
60.9080


151.3141,
179.1311, 215.2200

 26.1518, 33.8957,
43.7208


187.3635,
220.0484, 262.6875

 17.0705, 22.8135,
30.1155

228.7269,
266.7654, 316.6666

 10.3804, 14.4558,
19.6735

275.7697,
319.6666, 377.5758

 5.7161, 8.4384,
11.9762

328.8573,

 2.7122, 4.3767,

379.1363, 445.8337

6.6051

388.3549,
445.5589, 521.8588

■ 1.0035, 1.8864,
3.1417

■ 0.0000, 0.5402,
1.1675

■ 71.3963, 87.3337,
107.7019

■ 71.3963, 87.3337,
107.7019

■ 66.0619, 84.4347,
107.4234

■ 77.8183, 90.7981,
108.0321

■ 61.7476, 82.0596,
107.1924

■ 85.3772, 94.8466,
108.4151

■ 58.3889, 80.1774,
107.0061

■ 94.1275, 99.5095,
108.8540

■ 55.9111, 78.7495,
106.8611

■ 95.0500, 100.0000,
108.9000

■ 54.2284, 77.7318,
106.7533

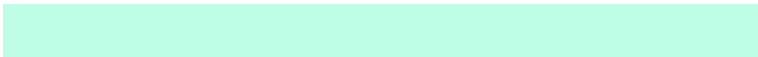
■ 53.2379, 77.0712,
106.6780

■ 52.7935, 76.7070,
106.6312

Harmonies

Analogous

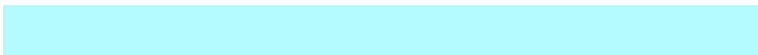
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.9663, 87.3337, 88.2632



71.3963, 87.3337, 107.7019



74.8375, 87.3337, 125.8577

Triad

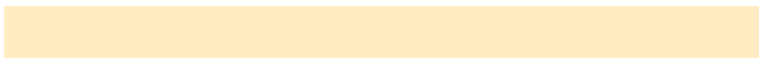
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.3963, 87.3337, 107.7019



93.1512, 87.3337, 121.4174



85.4758, 87.3337, 63.2121

Complementary

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



71.3963, 87.3337, 107.7019



64.7988, 55.8386, 48.4388

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.



91.7527, 87.3337, 69.7984



71.3963, 87.3337, 107.7019



96.3403, 87.3337, 102.2633

Square

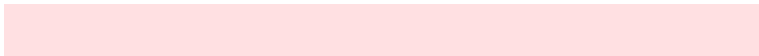
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



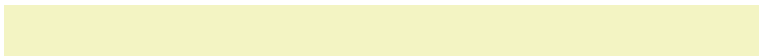
71.3963, 87.3337, 107.7019



87.3018, 87.3337, 134.4843



95.8151, 87.3337, 83.5061



78.8575, 87.3337, 64.2571

Rectangle

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



71.3963, 87.3337, 107.7019



78.4850, 87.3337, 133.9779



95.8151, 87.3337, 83.5061



87.7016, 87.3337, 64.5675

Sweetspot

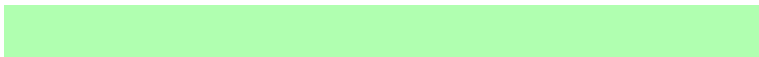
The Sweet Spot groups the original color and five complimentary colors.



71.3986, 87.3371, 107.7024



87.0128, 95.7198, 108.4974



61.5021, 83.8853, 54.0261



18.3660, 20.3501, 23.2099



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.



71.3986, 87.3371, 107.7024



68.0594, 85.5246, 107.5285



60.3837, 65.3073, 104.0308



18.5341, 20.4398, 23.2184



27.5948, 40.0991, 55.7201



2.6929, 3.9164, 5.4273

Inverse Universe

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



74.6562, 59.4681, 101.3135



71.7829, 53.7712, 100.2030



73.5052, 73.2516, 51.3410



18.7822, 18.2962, 22.7364



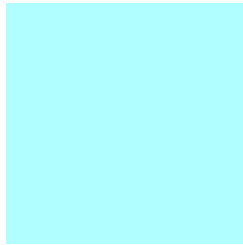
30.7168, 14.7760, 49.2863



2.9938, 1.4399, 4.8150

Previews

White Background



This preview shows how the XYZ color 71.3963, 87.3337, 107.7019 looks on a white background.

Color Contrast Check

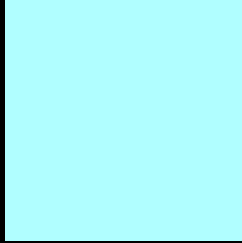
Large Text (above 18pt) WCAG AA × Fail

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 71.3963, 87.3337, 107.7019 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

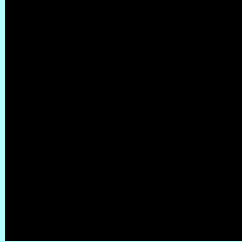
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 71.3963, 87.3337, 107.7019

Background



This preview shows how black text looks on a background with the XYZ color 71.3963, 87.3337, 107.7019.

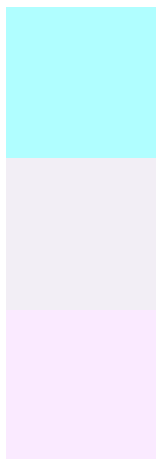


This preview shows how white text looks on a background with the XYZ color 71.3963, 87.3337,

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

71.3963, 87.3337, 107.7019

Protanopia

83.6739, 86.6189, 98.6952

Deuteranopia

86.8972, 86.3896, 106.7026



Tritanopia

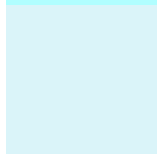
78.4340, 86.8210, 107.2320

Trichromacy



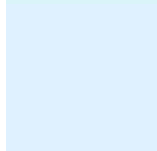
Original Color

71.3963, 87.3337, 107.7019



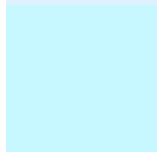
Protanomaly

78.3630, 86.4463, 102.1782



Deuteranomaly

79.9367, 85.8186, 106.9593



Tritanomaly

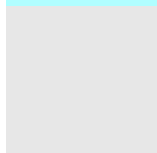
75.4368, 86.6342, 107.3539

Monochromacy



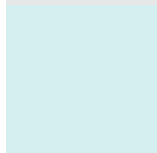
Original Color

71.3963, 87.3337, 107.7019



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

73.4586, 81.8732, 94.3695

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.3963, 87.3337, 107.7019 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(176, 254, 255)` looks like.

```
.text, #text, p{  
    color:rgb(176, 254, 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(176, 254, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 254, 255) }
```

Border

The CSS property to change the border of an element to XYZ 71.3963, 87.3337, 107.7019 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(176, 254, 255) }
```


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

```
.border{ border-color:rgb(176, 254, 255) }
```

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

Here you see how a box with a 4 pixel rgb(176, 254, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 254, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 254, 255);  
box-shadow:4px 4px 4px 4px rgb(176, 254,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 71.3963, 87.3337, 107.7019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 254, 255) }
```

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

```
.background{ background-color: rgb(176,  
254, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor