

Converting Colors

XYZ(88.4649, 93.5180,
232.8874)

Have a look what the booklet for
XYZ(88.4649, 93.5180, 232.8874)
contains.

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Color

**XYZ(64.4763, 83.7663,
107.3780)**

Conversions

Conversions Part 1

Format	Color
Hex	8DFEFF
RGB	141, 254, 255
RGB Percent	55%, 100%, 100%
CMY	0.4470, 0.0039, 0.0000
CMYK	0.45, 0.00, 0.00, 0.00
HSL	181°, 100%, 78%
HSV	181°, 45%, 100%
XYZ	64.4763, 83.7663, 107.3780
YIQ	220.3270, -67.6690, -23.6450

Conversions

Conversions Part 2

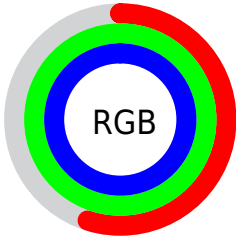
Format	Color
RYB	141, 198, 255
Decimal	9305855
CIELab	93.35, -32.00, -10.54
CIELCh	93, 33.693, 198.232
Yxy	83.7663, 0.2522, 0.3277
Android (android.graphics.Color)	4287495935 (0xFF8DFEFF)
YUV	220.3270, 17.0938, -69.5698
Hunter-Lab	91.5239, -34.4181, -5.4937

Details

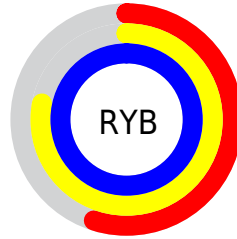
The XYZ color **64.4763, 83.7663, 107.3780** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **55.7212, 42.5295, 30.4735**, and the grayscale version is **68.1761, 71.7265, 78.1102**.

A 20% lighter version of the original color is **77.6294, 91.0194, 108.0847**, and **33.4676, 45.7152, 60.4861** is the 20% darker color. If you saturate the color by 10%, you get **60.5593, 81.6441, 107.1748**, and if you desaturate by 10%, it is **69.3959, 86.4094, 107.6289**.

Distribution



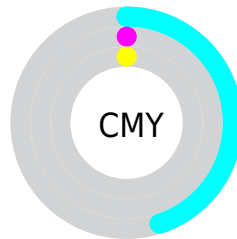
- Red (55%)
- Green (100%)
- Blue (100%)



- Red (55%)
- Yellow (78%)
- Blue (100%)



- Cyan (45%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)



- Cyan (45%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.4763, 83.7663, 107.3780 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 64.4763, 83.7663, 107.3780 by changing the saturation by 10% instead.

64.4763, 83.7663,
107.3780

64.4763, 83.7663,
107.3780

430.4826,
507.5369, 605.0446

47.2997, 62.8225,
81.8252

110.3665,
138.6482, 173.3999

33.4816, 45.6976,
60.6865

139.8108,
173.3551, 214.7060

22.6566, 32.0073,
43.5433

174.0750,
213.4185, 262.1004

14.4595, 21.3671,
29.9771

213.5246,
259.2228, 316.0016

8.5247, 13.3926,
19.5693

258.5247,
311.1524, 376.8280

4.4871, 7.6994,
11.9014

309.4409,

1.9812, 3.9032,

369.5917, 444.9983

6.5548

366.6384,
434.9250, 520.9310

■ 0.6234, 1.6196,
3.1111

■ 0.0000, 0.3707,
1.1516

■ 64.4763, 83.7663,
107.3780

■ 64.4763, 83.7663,
107.3780

■ 60.5593, 81.6441,
107.1748

■ 69.3959, 86.4094,
107.6289

■ 57.5689, 79.9977,
107.0147

■ 75.3742, 89.5965,
107.9290

■ 55.4288, 78.7898,
106.8943

■ 82.4713, 93.3604,
108.2814

■ 54.0479, 77.9735,
106.8095

■ 90.7405, 97.7288,
108.6887

■ 53.3142, 77.4908, 95.0500, 100.0000,
106.7550 108.9000

■ 53.1035, 77.3270,
106.7345

Harmonies

Analogous

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



64.0443, 83.7663, 81.5935



64.4763, 83.7663, 107.3780



68.7768, 83.7663, 132.7569

Triad

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



64.4763, 83.7663, 107.3780



93.0434, 83.7663, 127.8115



83.1506, 83.7663, 51.2222

Complementary

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



64.4763, 83.7663, 107.3780



55.7212, 42.5295, 30.4735

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.



91.5410, 83.7663, 59.3807



64.4763, 83.7663, 107.3780



97.5300, 83.7663, 101.5480

Square

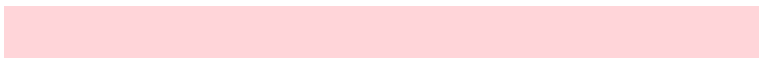
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.4763, 83.7663, 107.3780



85.0798, 83.7663, 145.9819



96.9606, 83.7663, 76.7474



74.3939, 83.7663, 52.1999

Rectangle

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



64.4763, 83.7663, 107.3780



73.4518, 83.7663, 144.5746



96.9606, 83.7663, 76.7474



86.1187, 83.7663, 52.9144

Sweetspot

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



64.4785, 83.7694, 107.3785



83.7960, 94.0613, 108.3469



51.5535, 79.1064, 37.7532



17.5699, 19.9394, 23.1726



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

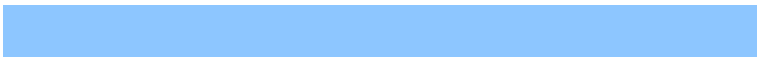
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.4785, 83.7694, 107.3785



60.8040, 81.7776, 107.1877



49.2300, 53.2725, 102.2957



18.5405, 20.4526, 23.2205



27.7540, 40.4175, 55.7732



2.7065, 3.9438, 5.4318

Inverse Universe

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



68.6557, 47.4673, 99.3130



65.4932, 41.1954, 98.0953



66.2428, 63.5726, 33.9807



18.7855, 18.2975, 22.7534



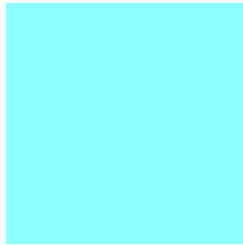
30.7971, 14.8081, 49.7095



3.0007, 1.4427, 4.8513

Previews

White Background



This preview shows how the XYZ color 64.4763, 83.7663, 107.3780 looks on a white background.

Color Contrast Check

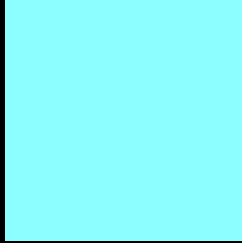
Large Text (above 18pt) WCAG AA × Fail

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 64.4763, 83.7663, 107.3780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

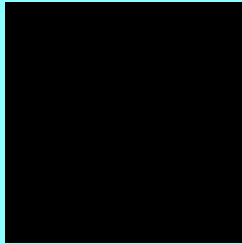
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.4763, 83.7663, 107.3780

Background



This preview shows how black text looks on a background with the XYZ color 64.4763, 83.7663, 107.3780.

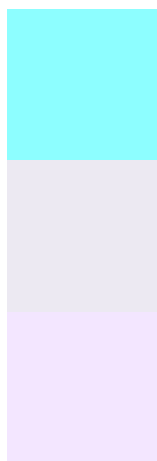


This preview shows how white text looks on a background with the XYZ color 64.4763, 83.7663,

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

64.4763, 83.7663, 107.3780

Protanopia

79.7580, 82.5215, 95.7289

Deuteranopia

83.3090, 82.8683, 106.2121



Tritanopia

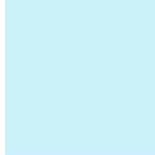
72.6488, 83.3907, 106.8748

Trichromacy



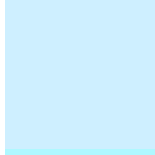
Original Color

64.4763, 83.7663, 107.3780



Protanomaly

72.3312, 82.0435, 100.0194



Deuteranomaly

74.3701, 82.0748, 106.5300



Tritanomaly

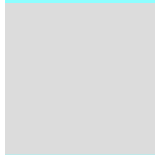
69.2966, 83.4688, 107.0665

Monochromacy



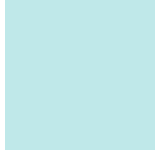
Original Color

64.4763, 83.7663, 107.3780



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

65.0505, 74.6728, 88.0756

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.4763, 83.7663, 107.3780 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(141, 254, 255)` looks like.

```
.text, #text, p{  
    color:rgb(141, 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(141, 254, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 254, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.4763, 83.7663, 107.3780 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(141, 254, 255) }
```


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

```
.border{ border-color:rgb(141, 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(141, 254, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 254, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 254, 255);  
box-shadow:4px 4px 4px 4px rgb(141, 254,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.4763, 83.7663, 107.3780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 254, 255) }
```

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

```
.background{ background-color: rgb(141,  
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](#).

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