

Converting Colors

XYZ(71.8111, 100.0000,
96.6509)

Have a look what the booklet for
XYZ(71.8111, 100.0000, 96.6509)
contains.

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Color

**XYZ(63.9551, 84.2724,
93.7843)**

Conversions

Conversions Part 1

Format	Color
Hex	97FFEE
RGB	151, 255, 238
RGB Percent	59%, 100%, 93%
CMY	0.4078, 0.0000, 0.0667
CMYK	0.41, 0.00, 0.07, 0.00
HSL	170°, 100%, 80%
HSV	170°, 41%, 100%
XYZ	63.9551, 84.2724, 93.7843
YIQ	221.9660, -56.5270, -27.3350

Conversions

Conversions Part 2

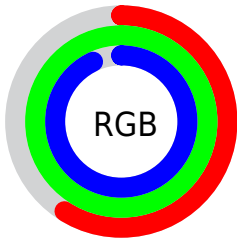
Format	Color
R_{YB}	151, 208, 255
Decimal	9961454
CIE _{Lab}	93.57, -34.14, -1.38
CIE _{LCh}	94, 34.164, 182.315
Yxy	84.2724, 0.2643, 0.3482
Android (android.graphics.Color)	4288151534 (0xFF97FFEE)
YUV	221.9660, 7.9048, -62.2372
Hunter-Lab	91.8000, -36.2929, 3.6884

Details

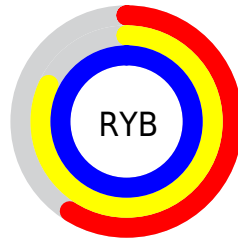
The XYZ color **63.9551, 84.2724, 93.7843** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **59.3752, 46.2216, 42.8389**, and the grayscale version is **69.3818, 72.9950, 79.4916**.

A 20% lighter version of the original color is **80.1045, 92.2953, 108.2006**, and **33.1518, 46.0927, 51.4055** is the 20% darker color. If you saturate the color by 10%, you get **59.1186, 81.8489, 90.3994**, and if you desaturate by 10%, it is **69.8311, 87.2299, 97.2947**.

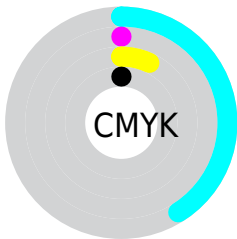
Distribution



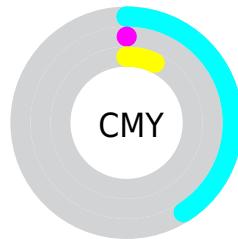
- Red (59%)
- Green (100%)
- Blue (93%)



- Red (59%)
- Yellow (82%)
- Blue (100%)



- Cyan (41%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)





- Cyan (41%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.9551, 84.2724, 93.7843 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 63.9551, 84.2724, 93.7843 by changing the saturation by 10% instead.


 63.9551, 84.2724,
93.7843


 63.9551, 84.2724,
93.7843


428.6323,
509.2174, 561.1503

 46.8759, 63.2404,
70.5323


 109.6204,
139.3562, 154.5651

 33.1451, 46.0357,
51.4811


 138.9371,
174.1767, 192.9309

 22.3974, 32.2740,
36.2123


173.0637,
214.3621, 237.1718

 14.2674, 21.5709,
24.3072

212.3655,
260.2969, 287.7062

 8.3898, 13.5419,
15.3473

257.2080,
312.3654, 344.9527

 4.3993, 7.8028,
8.9142

307.9563,

 1.9304, 3.9690,

370.9521, 409.3299

4.5892

364.9760,
436.4413, 481.2562

■ 0.5944, 1.6562,
1.9538

■ 0.0000, 0.3951,
0.5267

■ 63.9551, 84.2724,
93.7843

■ 63.9551, 84.2724,
93.7843

■ 59.1186, 81.8489,
90.3994

■ 69.8311, 87.2299,
97.2947

■ 55.2520, 79.9239,
87.1319

■ 76.8046, 90.7516,
100.9296

■ 52.2816, 78.4594,
83.9795

■ 84.9324, 94.8668,
104.6935

■ 50.1220, 77.4111,
80.9375

■ 94.2668, 99.6023,
108.5893

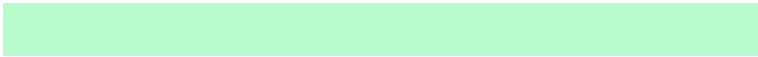
■ 48.6705, 76.7263, 95.0500, 100.0000,
78.0006 108.9000

■ 47.8109, 76.3404,
75.3794

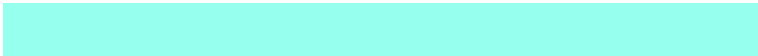
Harmonies

Analogous

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



65.6707, 84.2724, 70.5181



63.9551, 84.2724, 93.7843



66.2878, 84.2724, 121.0268

Triad

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



63.9551, 84.2724, 93.7843



89.7548, 84.2724, 140.5882



88.4489, 84.2724, 54.3578

Complementary

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



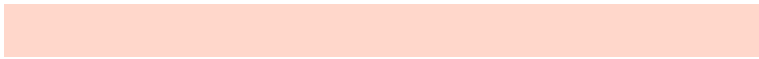
63.9551, 84.2724, 93.7843



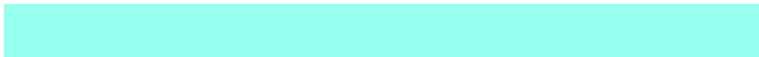
59.3752, 46.2216, 42.8389

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.



95.7051, 84.2724, 67.6355



63.9551, 84.2724, 93.7843



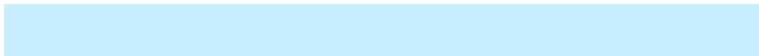
96.4981, 84.2724, 116.8852

Square

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



63.9551, 84.2724, 93.7843



80.8027, 84.2724, 151.0299



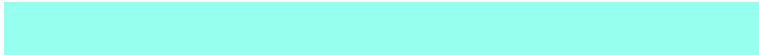
98.7524, 84.2724, 89.7617



79.3982, 84.2724, 50.4634

Rectangle

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



63.9551, 84.2724, 93.7843



69.9351, 84.2724, 137.0631



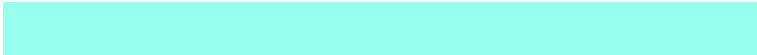
98.7524, 84.2724, 89.7617



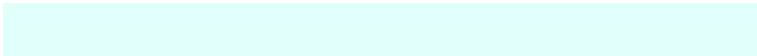
91.2015, 84.2724, 57.7306

Sweetspot

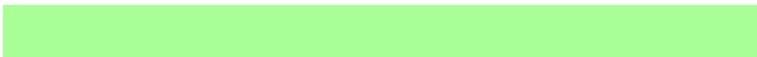
The Sweet Spot groups the original color and five complimentary colors.



63.9560, 84.2728, 93.7858



83.8797, 94.3333, 104.2284



57.5664, 82.1163, 42.0957



17.7161, 20.0708, 22.2028



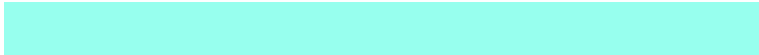
0.0000, 0.0000, 0.0000



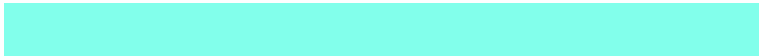
20.3446, 21.4041, 23.3091

Same Dimension

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



63.9560, 84.2728, 93.7858



59.9079, 82.2435, 90.9943



56.4943, 65.1618, 104.2077



18.4198, 20.4275, 22.5137



25.0297, 39.9085, 39.6371



2.4696, 3.8987, 4.0305

Inverse Universe

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



59.3752, 46.2216, 42.8389



54.7725, 39.4558, 33.7832



64.3155, 58.4730, 37.1763



18.1305, 18.0355, 19.3041



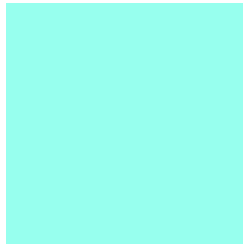
21.7995, 11.2091, 2.3290



2.1552, 1.1045, 0.3989

Previews

White Background



This preview shows how the XYZ color 63.9551, 84.2724, 93.7843 looks on a white background.

Color Contrast Check

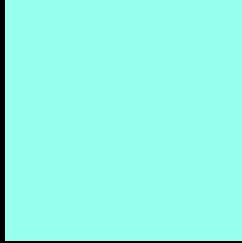
Large Text (above 18pt) WCAG AA × Fail

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 63.9551, 84.2724, 93.7843 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

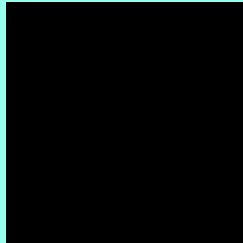
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.9551, 84.2724, 93.7843

Background



This preview shows how black text looks on a background with the XYZ color 63.9551, 84.2724, 93.7843.

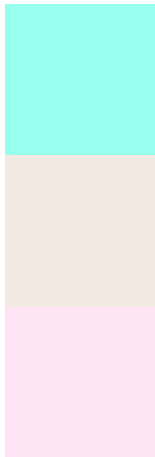


This preview shows how white text looks on a background with the XYZ color 63.9551, 84.2724,

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

63.9551, 84.2724, 93.7843

Protanopia

79.7682, 83.2139, 83.8092

Deuteranopia

84.9456, 83.0893, 97.1487



Tritanopia

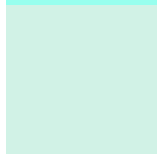
73.9539, 84.0635, 106.9358

Trichromacy



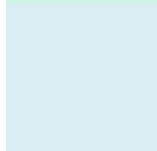
Original Color

63.9551, 84.2724, 93.7843



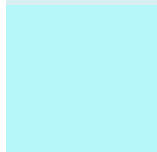
Protanomaly

72.3296, 82.7727, 87.0275



Deuteranomaly

75.2168, 82.3116, 95.9278



Tritanomaly

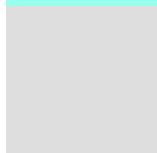
69.9577, 83.9194, 102.1334

Monochromacy



Original Color

63.9551, 84.2724, 93.7843



Achromatopsia

69.4303, 73.0461, 79.5472



Achromatomaly

66.1914, 76.1828, 84.6149

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.9551, 84.2724, 93.7843 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, 255, 238)` looks like.

```
.text, #text, p{  
    color:rgb(151, 255, 238)  
}
```

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, 255, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 255, 238) }
```

Border

The CSS property to change the border of an element to XYZ 63.9551, 84.2724, 93.7843 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, 255, 238) }
```


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

```
.border{ border-color:rgb(151, 255, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 255, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(151, 255, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(151, 255, 238); box-shadow:4px 4px 4px 4px rgb(151, 255, 238) }
```

Background

The CSS property to change the background color of an element to XYZ 63.9551, 84.2724, 93.7843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 255, 238) }
```

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

```
.background{ background-color: rgb(151,  
255, 238) }
```

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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