

Converting Colors

XYZ(63.6946, 84.0352, 98.4215)

Have a look what the booklet for
XYZ(63.6946, 84.0352, 98.4215)
contains.

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Color

**XYZ(63.7662, 84.0714,
98.4545)**

Conversions

Conversions Part 1

Format	Color
Hex	91FFF4
RGB	145, 255, 244
RGB Percent	57%, 100%, 96%
CMY	0.4314, 0.0000, 0.0431
CMYK	0.43, 0.00, 0.04, 0.00
HSL	174°, 100%, 78%
HSV	174°, 43%, 100%
XYZ	63.7662, 84.0714, 98.4545
YIQ	220.8560, -62.0290, -26.7410

Conversions

Conversions Part 2

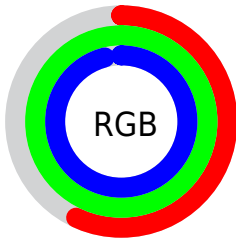
Format	Color
RYB	145, 203, 255
Decimal	9568244
CIELab	93.48, -34.19, -4.64
CIELCh	93, 34.505, 187.725
Yxy	84.0714, 0.2589, 0.3413
Android (android.graphics.Color)	4287758324 (0xFF91FFF4)
YUV	220.8560, 11.4100, -66.5257
Hunter-Lab	91.6905, -36.3203, 0.5195

Details

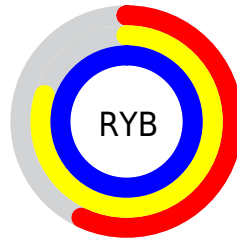
The XYZ color **63.7662, 84.0714, 98.4545** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **57.3671, 43.9126, 36.9061**, and the grayscale version is **68.5802, 72.1517, 78.5732**.

A 20% lighter version of the original color is **78.7118, 91.5774, 108.1354**, and **33.1089, 45.9974, 54.7103** is the 20% darker color. If you saturate the color by 10%, you get **59.3820, 81.8557, 96.2436**, and if you desaturate by 10%, it is **69.1662, 86.8101, 100.7438**.

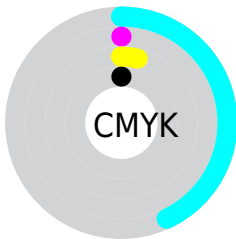
Distribution



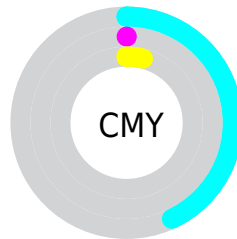
- Red (57%)
- Green (100%)
- Blue (96%)



- Red (57%)
- Yellow (80%)
- Blue (100%)



- Cyan (43%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)





- Cyan (43%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.7662, 84.0714, 98.4545 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 63.7662, 84.0714, 98.4545 by changing the saturation by 10% instead.


 63.7662, 84.0714,
98.4545


 63.7662, 84.0714,
98.4545


427.9605,
508.5503, 576.4305

 46.7223, 63.0744,
74.4008


 109.3498,
139.0750, 161.0650

 33.0232, 45.9014,
54.6234


 138.6202,
173.8505, 200.4588

 22.3035, 32.1680,
38.7037


172.6968,
213.9875, 245.8032

 14.1980, 21.4899,
26.2232

211.9450,
259.8705, 297.5165

 8.3411, 13.4825,
16.7635

256.7301,
311.8839, 356.0173

 4.3676, 7.7617,
9.9058

307.4174,

 1.9121, 3.9428,

370.4121, 421.7242

5.2318

364.3725,
435.8394, 495.0558

■ 0.5839, 1.6416,
2.3228

■ 0.0000, 0.3854,
0.7439

■ 63.7662, 84.0714,
98.4545

■ 63.7662, 84.0714,
98.4545

■ 59.3820, 81.8557,
96.2436

■ 69.1662, 86.8101,
100.7438

■ 55.9421, 80.1261,
94.1032

■ 75.6408, 90.1022,
103.1101

■ 53.3709, 78.8438,
92.0313

■ 83.2480, 93.9776,
105.5575

■ 51.5794, 77.9629,
90.0234

■ 92.0409, 98.4636,
108.0887

■ 50.4599, 77.4277,
88.0746

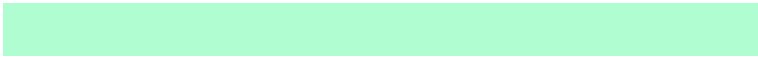
95.0500, 100.0000,
108.9000

■ 49.9732, 77.2053,
86.7658

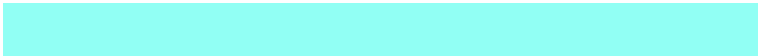
Harmonies

Analogous

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



64.7598, 84.0714, 73.7992



63.7662, 84.0714, 98.4545



66.8296, 84.0714, 125.8191

Triad

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



63.7662, 84.0714, 98.4545



91.1195, 84.0714, 137.2629



86.7373, 84.0714, 52.5007

Complementary

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



63.7662, 84.0714, 98.4545



57.3671, 43.9126, 36.9061

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.



94.5888, 84.0714, 64.1310



63.7662, 84.0714, 98.4545



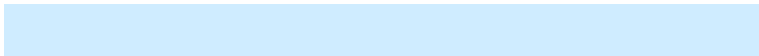
97.2499, 84.0714, 111.9167

Square

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



63.7662, 84.0714, 98.4545



82.2867, 84.0714, 150.8384



98.5655, 84.0714, 84.9560



77.5743, 84.0714, 50.2618

Rectangle

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



63.7662, 84.0714, 98.4545



70.9082, 84.0714, 140.8811



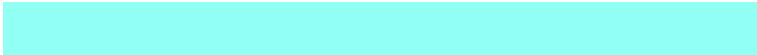
98.5655, 84.0714, 84.9560



89.6374, 84.0714, 55.3177

Sweetspot

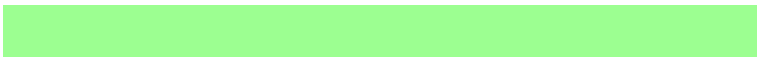
The Sweet Spot groups the original color and five complimentary colors.



63.7672, 84.0719, 98.4560



83.3591, 94.0343, 105.5912



54.5823, 80.6328, 39.4768



17.4607, 19.9327, 22.4837



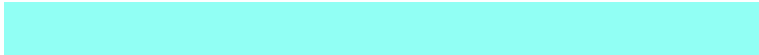
0.0000, 0.0000, 0.0000



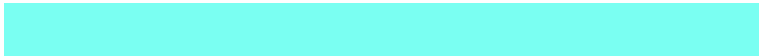
20.3446, 21.4041, 23.3091

Same Dimension

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



63.7672, 84.0719, 98.4560



59.8310, 82.0821, 96.4911



53.0225, 59.8296, 103.3614



18.4720, 20.4483, 22.7883



26.1440, 40.3542, 45.5051



2.5673, 3.9378, 4.5450

Inverse Universe

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



57.3671, 43.9126, 36.9061



52.6684, 37.0454, 27.5400



64.5493, 59.7008, 34.9112



18.0832, 18.0166, 19.0550



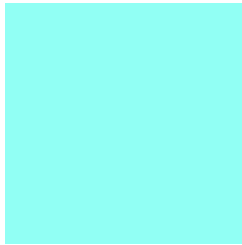
21.6674, 11.1562, 1.6330



2.1331, 1.0956, 0.2821

Previews

White Background



This preview shows how the XYZ color 63.7662, 84.0714, 98.4545 looks on a white background.

Color Contrast Check

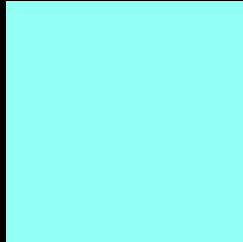
Large Text (above 18pt) WCAG AA × Fail

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 63.7662, 84.0714, 98.4545 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

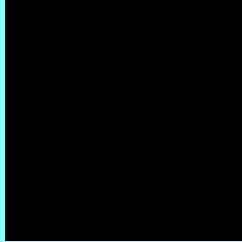
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

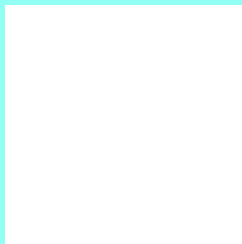
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.7662, 84.0714, 98.4545

Background



This preview shows how black text looks on a background with the XYZ color 63.7662, 84.0714, 98.4545.

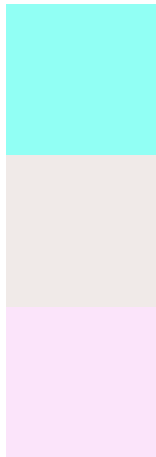


This preview shows how white text looks on a background with the XYZ color 63.7662, 84.0714,

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

63.7662, 84.0714, 98.4545

Protanopia

79.9235, 83.1971, 88.1902

Deuteranopia

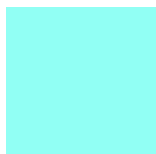
84.7824, 82.8982, 101.9749



Tritanopia

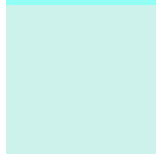
73.1656, 83.6571, 106.8989

Trichromacy



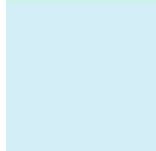
Original Color

63.7662, 84.0714, 98.4545



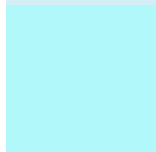
Protanomaly

72.0693, 82.5395, 91.4901



Deuteranomaly

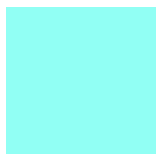
74.6692, 81.9234, 100.6843



Tritanomaly

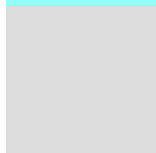
69.1115, 83.4469, 103.7311

Monochromacy



Original Color

63.7662, 84.0714, 98.4545



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

65.2741, 75.2724, 85.2175

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.7662, 84.0714, 98.4545 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(145, 255, 244)` looks like.

```
.text, #text, p{  
    color:rgb(145, 255, 244)  
}
```

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(145, 255, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 255, 244) }
```

Border

The CSS property to change the border of an element to XYZ 63.7662, 84.0714, 98.4545 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(145, 255, 244) }
```


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

```
.border{ border-color:rgb(145, 255, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 255, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 255, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 255, 244);  
box-shadow:4px 4px 4px 4px rgb(145, 255,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 63.7662, 84.0714, 98.4545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 255, 244) }
```

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

```
.background{ background-color: rgb(145,  
255, 244) }
```

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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