

Converting Colors

XYZ(63.8440, 84.1601, 96.0885)

Have a look what the booklet for
XYZ(63.8440, 84.1601, 96.0885)
contains.

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Color

**XYZ(63.8499, 84.1668,
96.0997)**

Conversions

Conversions Part 1

Format	Color
Hex	94FFF1
RGB	148, 255, 241
RGB Percent	58%, 100%, 95%
CMY	0.4196, 0.0000, 0.0549
CMYK	0.42, 0.00, 0.05, 0.00
HSL	172°, 100%, 79%
HSV	172°, 42%, 100%
XYZ	63.8499, 84.1668, 96.0997
YIQ	221.4110, -59.2780, -27.0380

Conversions

Conversions Part 2

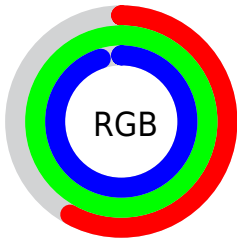
Format	Color
R_{YB}	148, 205, 255
Decimal	9764849
CIE _{Lab}	93.52, -34.18, -3.01
CIE _{LCh}	94, 34.312, 185.037
Yxy	84.1668, 0.2616, 0.3448
Android (android.graphics.Color)	4287954929 (0xFF94FFF1)
YUV	221.4110, 9.6574, -64.3814
Hunter-Lab	91.7425, -36.3189, 2.1138

Details

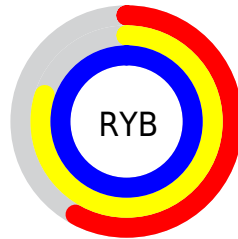
The XYZ color **63.8499, 84.1668, 96.0997** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **58.3522, 45.0497, 39.8032**, and the grayscale version is **68.9802, 72.5726, 79.0316**.

A 20% lighter version of the original color is **79.5421, 92.0054, 108.1742**, and **33.0709, 46.0148, 53.0377** is the 20% darker color. If you saturate the color by 10%, you get **59.2411, 81.8479, 93.3076**, and if you desaturate by 10%, it is **69.4857, 87.0140, 98.9904**.

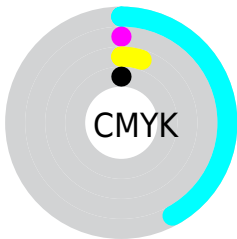
Distribution



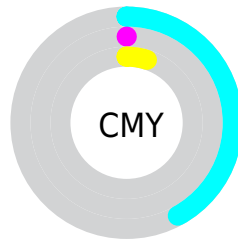
- Red (58%)
- Green (100%)
- Blue (95%)



- Red (58%)
- Yellow (80%)
- Blue (100%)



- Cyan (42%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)





- Cyan (42%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.8499, 84.1668, 96.0997 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 63.8499, 84.1668, 96.0997 by changing the saturation by 10% instead.

 63.8499, 84.1668,
96.0997


 63.8499, 84.1668,
96.0997


428.2582,
508.8670, 568.7536

 46.7903, 63.1532,
72.4487


 109.4697,
139.2085, 157.7916

 33.0772, 45.9651,
53.0362


 138.7606,
174.0053, 196.6696

 22.3451, 32.2183,
37.4437


172.8594,
214.1653, 241.4603

 14.2287, 21.5283,
25.2528

212.1313,
260.0729, 292.5823

 8.3627, 13.5107,
16.0447

256.9419,
312.1125, 350.4540

 4.3816, 7.7812,
9.4011

307.6563,

 1.9202, 3.9552,

370.6684, 415.4942

4.9034

364.6399,
436.1251, 488.1212

■ 0.5885, 1.6486,
2.1329

■ 0.0000, 0.3900,
0.6353

■ 63.8499, 84.1668,
96.0997

■ 63.8499, 84.1668,
96.0997

■ 59.2411, 81.8479,
93.3076

■ 69.4857, 87.0140,
98.9904

■ 55.5889, 80.0211,
90.6062

■ 76.2069, 90.4197,
101.9783

■ 52.8185, 78.6479,
87.9932

■ 84.0710, 94.4136,
105.0679

■ 50.8429, 77.6834,
85.4644

■ 93.1306, 99.0227,
108.2618

■ 49.5570, 77.0733,
83.0144

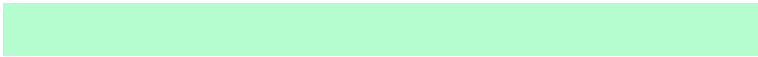
95.0500, 100.0000,
108.9000

■ 48.8964, 76.7746,
81.0956

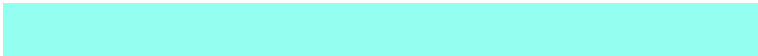
Harmonies

Analogous

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



65.2035, 84.1668, 72.1357



63.8499, 84.1668, 96.0997



66.5490, 84.1668, 123.4190

Triad

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



63.8499, 84.1668, 96.0997



90.4359, 84.1668, 138.9334



87.5877, 84.1668, 53.4051

Complementary

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



63.8499, 84.1668, 96.0997



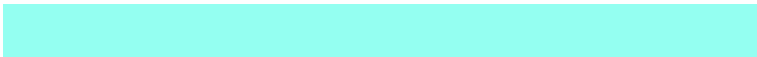
58.3522, 45.0497, 39.8032

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.



95.1469, 84.1668, 65.8512



63.8499, 84.1668, 96.0997



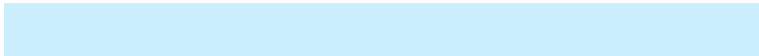
96.8765, 84.1668, 114.3845

Square

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



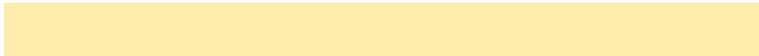
63.8499, 84.1668, 96.0997



81.5393, 84.1668, 150.9569



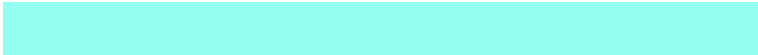
98.6622, 84.1668, 87.3269



78.4763, 84.1668, 50.3442

Rectangle

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



63.8499, 84.1668, 96.0997



70.4128, 84.1668, 138.9822



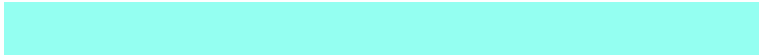
98.6622, 84.1668, 87.3269



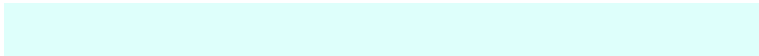
90.4159, 84.1668, 56.4972

Sweetspot

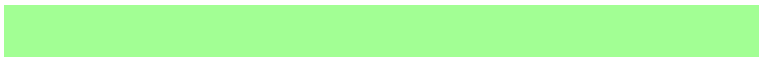
The Sweet Spot groups the original color and five complimentary colors.



63.8509, 84.1672, 96.1012



83.1978, 93.9697, 104.7415



56.0608, 81.3679, 40.7694



17.4204, 19.9166, 22.2716



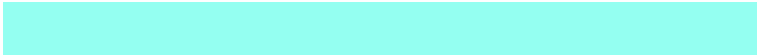
0.0000, 0.0000, 0.0000



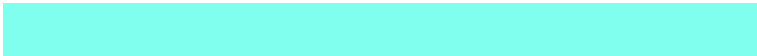
20.3446, 21.4041, 23.3091

Same Dimension

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



63.8509, 84.1672, 96.1012



60.0667, 82.2624, 93.8476



54.7599, 62.5092, 103.7871



18.4466, 20.4382, 22.6546



25.5893, 40.1323, 42.5843



2.5188, 3.9184, 4.2897

Inverse Universe

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



58.3522, 45.0497, 39.8032



53.9420, 38.5874, 31.0630



64.4060, 59.0390, 36.0196



18.1061, 18.0257, 19.1758



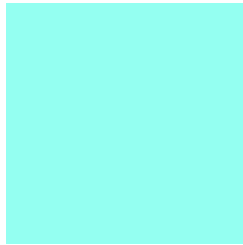
21.7245, 11.1791, 1.9337



2.1438, 1.0999, 0.3388

Previews

White Background



This preview shows how the XYZ color 63.8499, 84.1668, 96.0997 looks on a white background.

Color Contrast Check

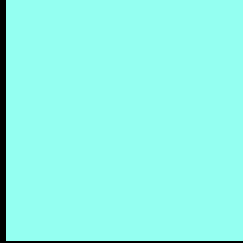
Large Text (above 18pt) WCAG AA × Fail

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 63.8499, 84.1668, 96.0997 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 63.8499, 84.1668, 96.0997

Background



This preview shows how black text looks on a background with the XYZ color 63.8499, 84.1668, 96.0997.

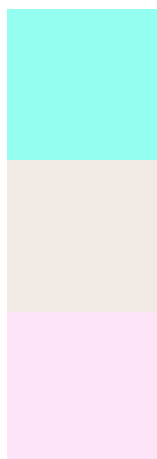


This preview shows how white text looks on a background with the XYZ color 63.8499, 84.1668,

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

63.8499, 84.1668, 96.0997

Protanopia

79.8413, 83.2036, 85.9805

Deuteranopia

85.0399, 83.0849, 99.5506



Tritanopia

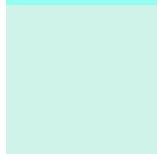
73.6894, 83.9271, 106.9235

Trichromacy



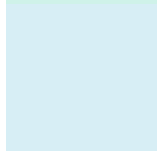
Original Color

63.8499, 84.1668, 96.0997



Protanomaly

72.1922, 82.6529, 89.2395



Deuteranomaly

75.0803, 82.1887, 98.2931



Tritanomaly

69.6451, 83.7402, 102.9353

Monochromacy



Original Color

63.8499, 84.1668, 96.0997



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

65.3906, 75.3486, 84.4961

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.8499, 84.1668, 96.0997 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(148, 255, 241)` looks like.

```
.text, #text, p{  
    color:rgb(148, 255, 241)  
}
```

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(148, 255, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 255, 241) }
```

Border

The CSS property to change the border of an element to XYZ 63.8499, 84.1668, 96.0997 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(148, 255, 241) }
```


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

```
.border{ border-color:rgb(148, 255, 241) }
```

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

Here you see how a box with a 4 pixel rgb(148, 255, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 255, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 255, 241);  
box-shadow:4px 4px 4px 4px rgb(148, 255,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 63.8499, 84.1668, 96.0997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 255, 241) }
```

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

```
.background{ background-color: rgb(148,  
255, 241) }
```

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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