

Converting Colors

XYZ(63.2802, 83.8456, 97.3130)

Have a look what the booklet for
XYZ(63.2802, 83.8456, 97.3130)
contains.

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Color

**XYZ(63.2654, 83.8307,
97.6405)**

Conversions

Conversions Part 1

Format	Color
Hex	8FFFF3
RGB	143, 255, 243
RGB Percent	56%, 100%, 95%
CMY	0.4392, 0.0000, 0.0471
CMYK	0.44, 0.00, 0.05, 0.00
HSL	174°, 100%, 78%
HSV	174°, 44%, 100%
XYZ	63.2654, 83.8307, 97.6405
YIQ	220.1440, -62.9000, -27.4760

Conversions

Conversions Part 2

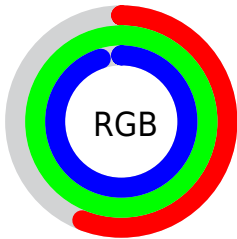
Format	Color
R_{YB}	143, 202, 255
Decimal	9437171
CIE _{Lab}	93.38, -34.89, -4.28
CIE _{LCh}	93, 35.152, 187.000
Yxy	83.8307, 0.2585, 0.3425
Android (android.graphics.Color)	4287627251 (0xFF8FFFF3)
YUV	220.1440, 11.2680, -67.6553
Hunter-Lab	91.5591, -36.8887, 0.8633

Details

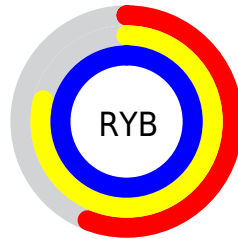
The XYZ color **63.2654, 83.8307, 97.6405** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **56.9798, 43.2730, 36.3610**, and the grayscale version is **68.0836, 71.6293, 78.0043**.

A 20% lighter version of the original color is **78.1671, 91.2966, 108.1099**, and **32.7310, 45.8150, 54.1318** is the 20% darker color. If you saturate the color by 10%, you get **58.9325, 81.6443, 95.3013**, and if you desaturate by 10%, it is **68.6098, 86.5378, 100.0619**.

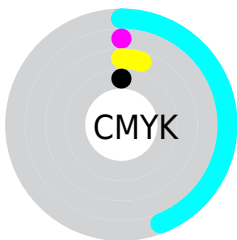
Distribution



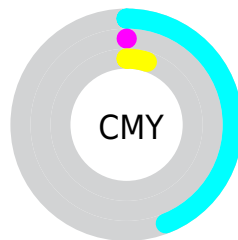
- Red (56%)
- Green (100%)
- Blue (95%)



- Red (56%)
- Yellow (79%)
- Blue (100%)



- Cyan (44%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)





- Cyan (44%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.2654, 83.8307, 97.6405 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 63.2654, 83.8307, 97.6405 by changing the saturation by 10% instead.


 63.2654, 83.8307,
97.6405


 63.2654, 83.8307,
97.6405


426.1764,
507.7509, 573.7830

 46.3154, 62.8757,
73.7256


 108.6320,
138.7383, 159.9344

 32.7005, 45.7406,
54.0741


 137.7793,
173.4597, 199.1505

 22.0552, 32.0412,
38.2673


171.7230,
213.5387, 244.3040

 14.0143, 21.3930,
25.8868

210.8286,
259.3596, 295.8136

 8.2124, 13.4116,
16.5140

255.4614,
311.3069, 354.0978

 4.2841, 7.7126,
9.7303

305.9867,

 1.8641, 3.9116,

369.7649, 419.5750

5.1172

362.7699,
435.1181, 492.6639

■ 0.5558, 1.6242,
2.2563

■ 0.0000, 0.3738,
0.7066

■ 63.2654, 83.8307,
97.6405

■ 63.2654, 83.8307,
97.6405

■ 58.9325, 81.6443,
95.3013

■ 68.6098, 86.5378,
100.0619

■ 55.5389, 79.9415,
93.0366

■ 75.0250, 89.7962,
102.5642

■ 53.0083, 78.6828,
90.8440

■ 82.5693, 93.6360,
105.1517

■ 51.2507, 77.8219,
88.7193

■ 91.2959, 98.0846,
107.8269

■ 50.1561, 77.3021,
86.6570

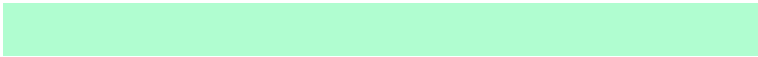
95.0500, 100.0000,
108.9000

■ 49.7194, 77.1038,
85.4292

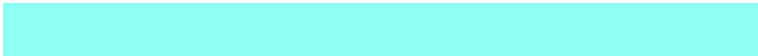
Harmonies

Analogous

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



64.3728, 83.8307, 72.7506



63.2654, 83.8307, 97.6405



66.2754, 83.8307, 125.5711

Triad

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



63.2654, 83.8307, 97.6405



90.8932, 83.8307, 138.4122



86.8473, 83.8307, 51.8926

Complementary

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



63.2654, 83.8307, 97.6405



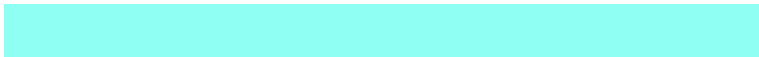
56.9798, 43.2730, 36.3610

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.



94.7770, 83.8307, 63.8758



63.2654, 83.8307, 97.6405



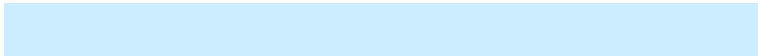
97.2364, 83.8307, 112.7094

Square

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



63.2654, 83.8307, 97.6405



81.8705, 83.8307, 151.8918



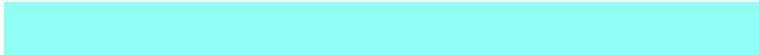
98.7101, 83.8307, 85.1969



77.5261, 83.8307, 49.4098

Rectangle

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



63.2654, 83.8307, 97.6405



70.3604, 83.8307, 141.1272



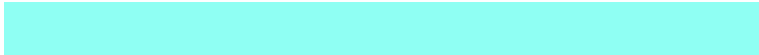
98.7101, 83.8307, 85.1969



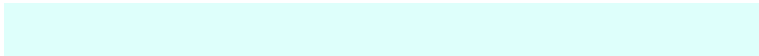
89.7851, 83.8307, 54.8123

Sweetspot

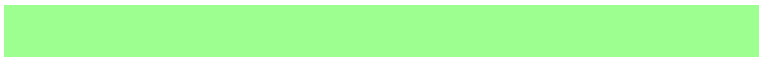
The Sweet Spot groups the original color and five complimentary colors.



63.2665, 83.8312, 97.6420



83.3217, 94.0193, 105.3940



54.4423, 80.5783, 38.6723



17.4513, 19.9289, 22.4344



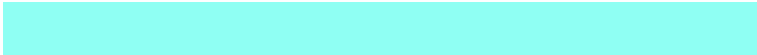
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



63.2665, 83.8312, 97.6420



59.2907, 81.8246, 95.5134



52.9391, 60.1813, 103.4337



18.4661, 20.4460, 22.7573



26.0133, 40.3019, 44.8168



2.5559, 3.9333, 4.4850

Inverse Universe

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



56.9798, 43.2730, 36.3610



52.2645, 36.3873, 26.9435



63.7438, 58.3343, 33.8885



18.0885, 18.0187, 19.0830



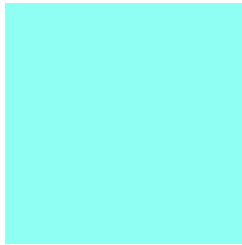
21.6795, 11.1611, 1.6965



2.1355, 1.0966, 0.2952

Previews

White Background



This preview shows how the XYZ color 63.2654, 83.8307, 97.6405 looks on a white background.

Color Contrast Check

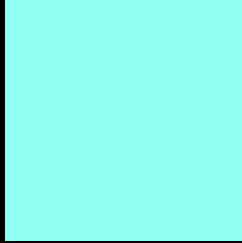
Large Text (above 18pt) WCAG AA × Fail

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 63.2654, 83.8307, 97.6405 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 63.2654, 83.8307, 97.6405

Background



This preview shows how black text looks on a background with the XYZ color 63.2654, 83.8307, 97.6405.

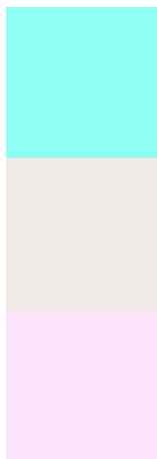


This preview shows how white text looks on a background with the XYZ color 63.2654, 83.8307,

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

63.2654, 83.8307, 97.6405

Protanopia

79.7818, 83.1404, 87.4441

Deuteranopia

84.6259, 82.8356, 101.1511



Tritanopia

72.9064, 83.5235, 106.8868

Trichromacy



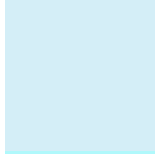
Original Color

63.2654, 83.8307, 97.6405



Protanomaly

71.9244, 82.4816, 90.7270



Deuteranomaly

74.5144, 81.8615, 99.8692



Tritanomaly

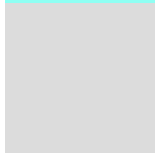
68.8845, 83.3299, 103.7205

Monochromacy



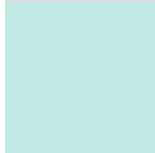
Original Color

63.2654, 83.8307, 97.6405



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

64.8807, 75.0857, 84.4722

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.2654, 83.8307, 97.6405 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(143, 255, 243)` looks like.

```
.text, #text, p{  
    color:rgb(143, 255, 243)  
}
```

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(143, 255, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 255, 243) }
```

Border

The CSS property to change the border of an element to XYZ 63.2654, 83.8307, 97.6405 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(143, 255, 243) }
```


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

```
.border{ border-color:rgb(143, 255, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 255, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 255, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 255, 243);  
box-shadow:4px 4px 4px 4px rgb(143, 255,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 63.2654, 83.8307, 97.6405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 255, 243) }
```

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

```
.background{ background-color: rgb(143,  
255, 243) }
```

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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