

Converting Colors

XYZ(64.2750, 84.4436, 93.5149)

Have a look what the booklet for
XYZ(64.2750, 84.4436, 93.5149)
contains.

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Color

**XYZ(64.3295, 84.4654,
93.8018)**

Conversions

Conversions Part 1

Format	Color
Hex	99FFEE
RGB	153, 255, 238
RGB Percent	60%, 100%, 93%
CMY	0.4000, 0.0000, 0.0667
CMYK	0.40, 0.00, 0.07, 0.00
HSL	170°, 100%, 80%
HSV	170°, 40%, 100%
XYZ	64.3295, 84.4654, 93.8018
YIQ	222.5640, -55.3350, -26.9110

Conversions

Conversions Part 2

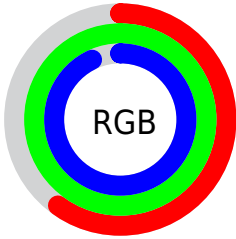
Format	Color
RYB	153, 209, 255
Decimal	10092526
CIELab	93.65, -33.64, -1.25
CIELCh	94, 33.666, 182.124
Yxy	84.4654, 0.2652, 0.3482
Android (android.graphics.Color)	4288282606 (0xFF99FFEE)
YUV	222.5640, 7.6099, -61.0076
Hunter-Lab	91.9051, -35.8917, 3.8199

Details

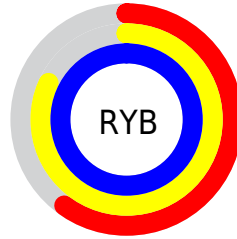
The XYZ color **64.3295, 84.4654, 93.8018** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **59.8877, 46.9460, 43.9362**, and the grayscale version is **69.8060, 73.4413, 79.9776**.

A 20% lighter version of the original color is **80.6740, 92.5889, 108.2272**, and **33.3569, 46.1985, 51.4151** is the 20% darker color. If you saturate the color by 10%, you get **59.4033, 81.9971, 90.3514**, and if you desaturate by 10%, it is **70.3007, 87.4706, 97.3809**.

Distribution



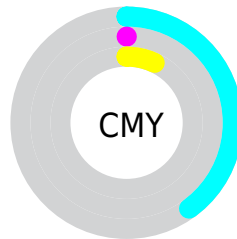
- Red (60%)
- Green (100%)
- Blue (93%)



- Red (60%)
- Yellow (82%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)





- Cyan (40%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.3295, 84.4654, 93.8018 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 64.3295, 84.4654, 93.8018 by changing the saturation by 10% instead.


 64.3295, 84.4654,
93.8018


 64.3295, 84.4654,
93.8018

429.9619,
509.8574, 561.2080

 47.1803, 63.3997,
70.5467

 110.1564,
139.6260, 154.5895

 33.3867, 46.1647,
51.4928


 139.5648,
174.4898, 192.9592

 22.5835, 32.3758,
36.2215


173.7903,
214.7217, 237.2043

 14.4053, 21.6487,
24.3143

213.1983,
260.7062, 287.7432

 8.4867, 13.5990,
15.3526

258.1541,
312.8276, 344.9944

 4.4623, 7.8423,
8.9178

309.0231,

 1.9669, 3.9942,

371.4703, 409.3766

4.5915

366.1706,
437.0188, 481.3083

■ 0.6152, 1.6703,
1.9552

■ 0.0000, 0.4043,
0.5275

■ 64.3295, 84.4654,
93.8018

■ 64.3295, 84.4654,
93.8018

■ 59.4033, 81.9971,
90.3514

■ 70.3007, 87.4706,
97.3809

■ 55.4530, 80.0302,
87.0217

■ 77.3745, 91.0425,
101.0876

■ 52.4058, 78.5273,
83.8102

■ 85.6074, 95.2103,
104.9265

■ 50.1770, 77.4445,
80.7124

95.0500, 100.0000,
108.9000

■ 48.6657, 76.7301,
77.7229

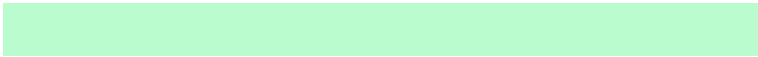
■ 47.7073, 76.2989,
74.8336

■ 47.7072, 76.2989,
74.8332

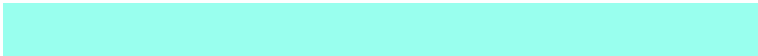
Harmonies

Analogous

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



66.0518, 84.4654, 70.8562



64.3295, 84.4654, 93.8018



66.6118, 84.4654, 120.6469

Triad

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



64.3295, 84.4654, 93.8018



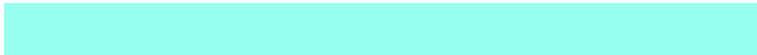
89.7543, 84.4654, 140.1688



88.5730, 84.4654, 55.0154

Complementary

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



64.3295, 84.4654, 93.8018



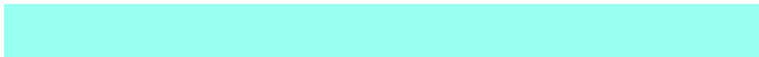
59.8877, 46.9460, 43.9362

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.



95.7048, 84.4654, 68.2380



64.3295, 84.4654, 93.8018



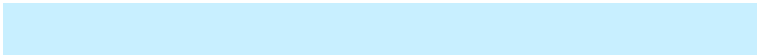
96.4216, 84.4654, 116.9060

Square

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



64.3295, 84.4654, 93.8018



80.9195, 84.4654, 150.3221



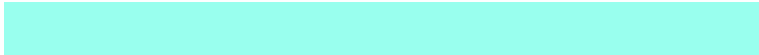
98.6748, 84.4654, 90.1592



79.6476, 84.4654, 51.0891

Rectangle

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



64.3295, 84.4654, 93.8018



70.2031, 84.4654, 136.4573



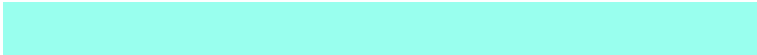
98.6748, 84.4654, 90.1592



91.2817, 84.4654, 58.3823

Sweetspot

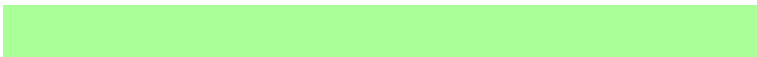
The Sweet Spot groups the original color and five complimentary colors.



64.3305, 84.4658, 93.8033



83.8643, 94.3272, 104.1474



58.0883, 82.3664, 42.9753



17.7125, 20.0694, 22.1836



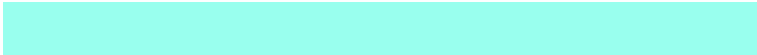
0.0000, 0.0000, 0.0000



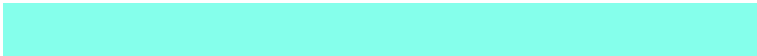
20.3446, 21.4041, 23.3091

Same Dimension

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



64.3305, 84.4658, 93.8033



60.3077, 82.4492, 91.0314



57.0444, 65.7062, 104.2838



18.4172, 20.4264, 22.4999



24.9762, 39.8871, 39.3554



2.4648, 3.8969, 4.0056

Inverse Universe

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



59.8877, 46.9460, 43.9362



55.3225, 40.2256, 34.9849



64.7609, 59.1017, 38.1331



18.1329, 18.0365, 19.3167



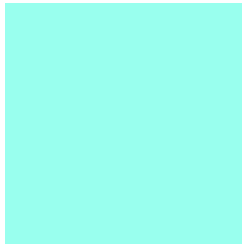
21.8078, 11.2124, 2.3723



2.1564, 1.1049, 0.4049

Previews

White Background



This preview shows how the XYZ color 64.3295, 84.4654, 93.8018 looks on a white background.

Color Contrast Check

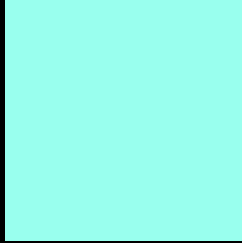
Large Text (above 18pt) WCAG AA × Fail

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 64.3295, 84.4654, 93.8018 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 64.3295, 84.4654, 93.8018

Background



This preview shows how black text looks on a background with the XYZ color 64.3295, 84.4654, 93.8018.

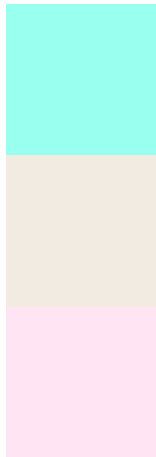


This preview shows how white text looks on a background with the XYZ color 64.3295, 84.4654,

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

64.3295, 84.4654, 93.8018

Protanopia

80.0537, 83.7849, 83.9043

Deuteranopia

85.3125, 83.2785, 97.1658



Tritanopia

74.2201, 84.2007, 106.9483

Trichromacy



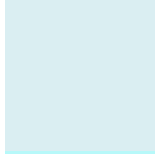
Original Color

64.3295, 84.4654, 93.8018



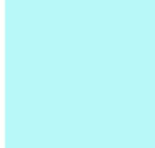
Protanomaly

72.6134, 82.9191, 87.0408



Deuteranomaly

75.5150, 82.4653, 95.9417



Tritanomaly

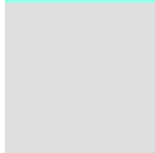
70.1947, 84.0416, 102.1445

Monochromacy



Original Color

64.3295, 84.4654, 93.8018



Achromatopsia

70.1384, 73.7910, 80.3584



Achromatomaly

67.0006, 77.0239, 84.7346

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.3295, 84.4654, 93.8018 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(153, 255, 238)` looks like.

```
.text, #text, p{  
    color:rgb(153, 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(153, 255, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 238) }
```

Border

The CSS property to change the border of an element to XYZ 64.3295, 84.4654, 93.8018 is called "border". The border property can be set on classes, ids or directly on the HTML element.

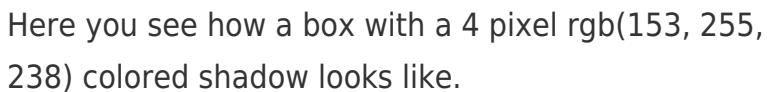
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(153, 255, 238) }
```


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

```
.border{ border-color:rgb(153, 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(153, 255, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 255, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 255, 238); box-shadow:4px 4px 4px 4px rgb(153, 255, 238) }
```

Background

The CSS property to change the background color of an element to XYZ 64.3295, 84.4654, 93.8018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 255, 238) }
```

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

```
.background{ background-color: rgb(153,  
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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