

Converting Colors

XYZ(77.7471, 81.0161,
177.7503)

Have a look what the booklet for
XYZ(77.7471, 81.0161, 177.7503)
contains.

XYZ(63.9818, 75.4264, 105.7943)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(63.9818, 75.4264,
105.7943)**

Conversions

Conversions Part 1

Format	Color
Hex	A7ECFF
RGB	167, 236, 255
RGB Percent	65%, 93%, 100%
CMY	0.3451, 0.0745, 0.0000
CMYK	0.35, 0.07, 0.00, 0.00
HSL	193°, 100%, 83%
HSV	193°, 35%, 100%
XYZ	63.9818, 75.4264, 105.7943
YIQ	217.5350, -47.2230, -8.7190

Conversions

Conversions Part 2

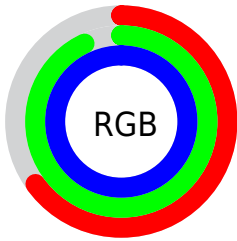
Format	Color
RYB	167, 206, 255
Decimal	11005183
CIELab	89.59, -16.94, -16.03
CIElCh	90, 23.322, 223.435
Yxy	75.4264, 0.2609, 0.3076
Android (android.graphics.Color)	4289195263 (0xFFA7ECFF)
YUV	217.5350, 18.4702, -44.3192
Hunter-Lab	86.8484, -20.4825, -11.4302

Details

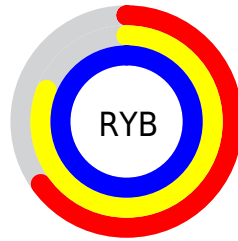
The XYZ color **63.9818, 75.4264, 105.7943** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.7742, 59.1678, 44.5149**, and the grayscale version is **66.2226, 69.6713, 75.8720**.

A 20% lighter version of the original color is **84.5505, 94.5873, 108.4086**, and **33.0698, 40.0992, 59.4230** is the 20% darker color. If you saturate the color by 10%, you get **57.5564, 69.7991, 105.0468**, and if you desaturate by 10%, it is **71.5222, 81.7047, 106.6087**.

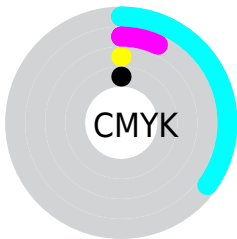
Distribution



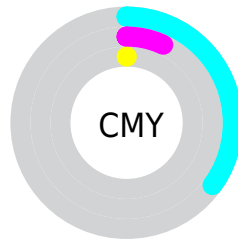
- Red (65%)
- Green (93%)
- Blue (100%)



- Red (65%)
- Yellow (81%)
- Blue (100%)



- Cyan (35%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (35%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.9818, 75.4264, 105.7943 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 63.9818, 75.4264, 105.7943 by changing the saturation by 10% instead.

63.9818, 75.4264,
105.7943

63.9818, 75.4264,
105.7943

428.7272,
479.3819, 600.0189

46.8976, 55.9623,
80.5046

109.6586,
126.9158, 171.2184

33.1623, 40.1727,
59.6051

138.9819,
159.7098, 212.1899

22.4106, 27.6732,
42.6772

173.1155,
197.7159, 259.2257

14.2772, 18.0795,
29.3024

212.4250,
241.3186, 312.7444

8.3967, 11.0071,
19.0621

257.2755,
290.9021, 373.1646

4.4038, 6.0716,
11.5379

308.0324,

1.9330, 2.8887,

346.8509, 440.9047

6.3112

365.0612,
409.5493, 516.3833

■ 0.5959, 1.0739,
2.9634

■ 0.0000, 0.0000,
1.0760

■ 63.9818, 75.4264,
105.7943

■ 63.9818, 75.4264,
105.7943

■ 57.5564, 69.7991,
105.0468

■ 71.5222, 81.7047,
106.6087

■ 52.1768, 64.7809,
104.3617

■ 80.2295, 88.6559,
107.4915

■ 47.7752, 60.3382,
103.7362

■ 90.1597, 96.3113,
108.4458

■ 44.2731, 56.4298,
103.1663

95.0500, 100.0000,
108.9000

■ 41.5792, 53.0078,
102.6478

■ 39.5815, 50.0140,
102.1752

■ 38.6934, 48.5068,
101.9311

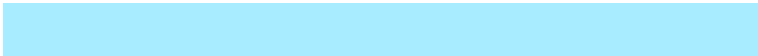
Harmonies

Analogous

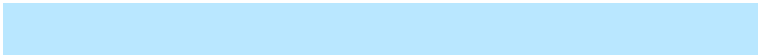
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



61.4967, 75.4264, 89.6803



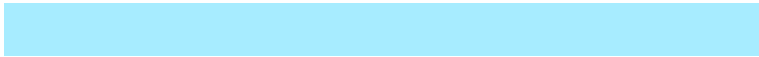
63.9818, 75.4264, 105.7943



68.5941, 75.4264, 116.2461

Triad

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



63.9818, 75.4264, 105.7943



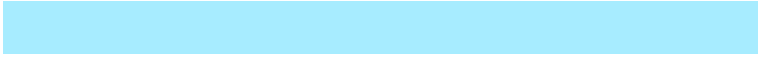
82.7813, 75.4264, 91.4579



69.1603, 75.4264, 55.0937

Complementary

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



63.9818, 75.4264, 105.7943



65.7742, 59.1678, 44.5149

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.



74.8787, 75.4264, 55.4364



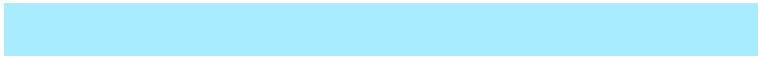
63.9818, 75.4264, 105.7943



82.9529, 75.4264, 75.0093

Square

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



63.9818, 75.4264, 105.7943



79.5378, 75.4264, 107.2442



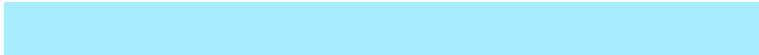
79.9948, 75.4264, 62.2814



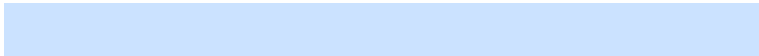
64.3772, 75.4264, 61.2730

Rectangle

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



63.9818, 75.4264, 105.7943



72.3529, 75.4264, 117.8332



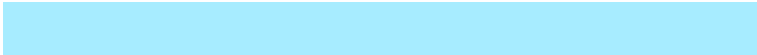
79.9948, 75.4264, 62.2814



71.0322, 75.4264, 54.4776

Sweetspot

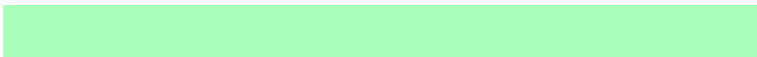
The Sweet Spot groups the original color and five complimentary colors.



63.9838, 75.4293, 105.7947



84.5519, 92.0184, 107.9127



60.4123, 83.2220, 58.5589



17.8034, 19.4680, 23.0693



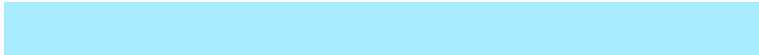
0.0000, 0.0000, 0.0000



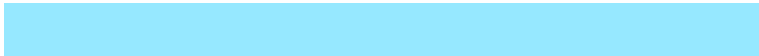
20.3446, 21.4041, 23.3091

Same Dimension

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



63.9838, 75.4293, 105.7947



59.6887, 71.7029, 105.3019



53.1463, 53.7541, 102.1822



18.2025, 19.7767, 23.1079



20.3323, 25.5741, 53.2993



2.0584, 2.6475, 5.2158

Inverse Universe

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



70.2004, 54.9552, 86.2676



66.8451, 49.0673, 82.6130



76.1245, 79.8683, 47.9650



18.6149, 18.2293, 21.8551



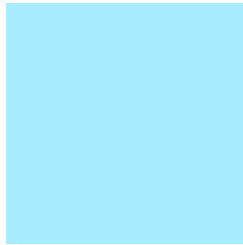
27.0510, 13.3097, 29.9826



2.6736, 1.3118, 3.1286

Previews

White Background



This preview shows how the XYZ color 63.9818, 75.4264, 105.7943 looks on a white background.

Color Contrast Check

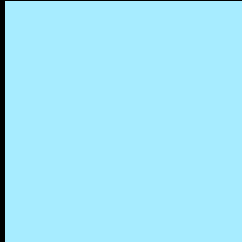
Large Text (above 18pt) WCAG AA × Fail

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 63.9818, 75.4264, 105.7943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

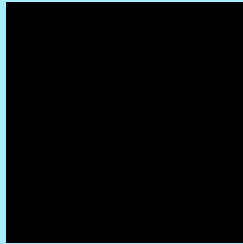
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.9818, 75.4264, 105.7943

Background



This preview shows how black text looks on a background with the XYZ color 63.9818, 75.4264, 105.7943.

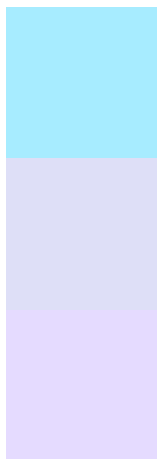


This preview shows how white text looks on a background with the XYZ color 63.9818, 75.4264,

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

63.9818, 75.4264, 105.7943

Protanopia

73.3004, 75.0203, 98.6127

Deuteranopia

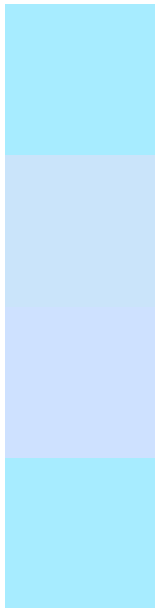
75.6946, 74.5410, 105.0061



Tritanopia

63.9818, 75.4264, 105.7943

Trichromacy



Original Color

63.9818, 75.4264, 105.7943

Protanomaly

69.3558, 74.9455, 101.2530

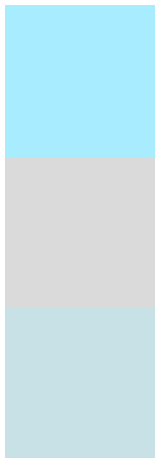
Deuteranomaly

70.4288, 74.1922, 105.2163

Tritanomaly

63.9818, 75.4264, 105.7943

Monochromacy



Original Color

63.9818, 75.4264, 105.7943

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

64.9022, 71.7621, 86.0321

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.9818, 75.4264, 105.7943 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(167, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(167, 236, 255)  
}
```

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(167, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 236, 255) }
```

Border

The CSS property to change the border of an element to XYZ 63.9818, 75.4264, 105.7943 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(167, 236, 255) }
```


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

```
.border{ border-color:rgb(167, 236, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(167, 236,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 63.9818, 75.4264, 105.7943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 236, 255) }
```

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

```
.background{ background-color: rgb(167,  
236, 255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor