

Converting Colors

XYZ(64.0139, 76.3034, 99.6944)

Have a look what the booklet for
XYZ(64.0139, 76.3034, 99.6944)
contains.

XYZ(63.9406, 76.4105, 99.3744)	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(63.9406, 76.4105,
99.3744)**

Conversions

Conversions Part 1

Format	Color
Hex	AAEEF7
RGB	170, 238, 247
RGB Percent	67%, 93%, 97%
CMY	0.3333, 0.0666, 0.0314
CMYK	0.31, 0.04, 0.00, 0.03
HSL	187°, 83%, 82%
HSV	187°, 31%, 97%
XYZ	63.9406, 76.4105, 99.3744
YIQ	218.6940, -43.4170, -11.6170

Conversions

Conversions Part 2

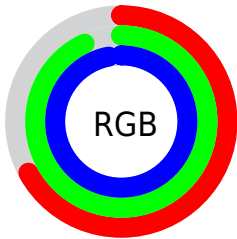
Format	Color
R _Y B	170, 206, 247
Decimal	11202295
CIE Lab	90.05, -19.00, -11.16
CIE LCh	90, 22.034, 210.418
Yxy	76.4105, 0.2667, 0.3187
Android (android.graphics.Color)	4289392375 (0xFFAAEEF7)
YUV	218.6940, 13.9549, -42.7046
Hunter-Lab	87.4131, -22.4044, -6.2139

Details

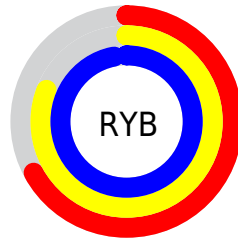
The XYZ color **63.9406, 76.4105, 99.3744** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **61.7346, 54.9174, 45.3783**, and the grayscale version is **67.0498, 70.5416, 76.8198**.

A 20% lighter version of the original color is **85.4886, 95.0709, 108.4525**, and **33.2021, 40.8623, 55.4275** is the 20% darker color. If you saturate the color by 10%, you get **58.2615, 72.2472, 98.8714**, and if you desaturate by 10%, it is **70.6408, 81.1240, 99.9323**.

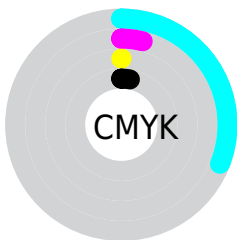
Distribution



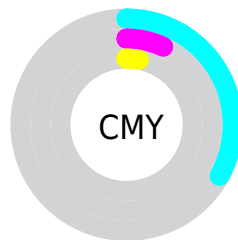
- Red (67%)
- Green (93%)
- Blue (97%)



- Red (67%)
- Yellow (81%)
- Blue (97%)



- Cyan (31%)
- Magenta (4%)
- Yellow (0%)
- Black (3%)



- Cyan (33%)
- Magenta (7%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.9406, 76.4105, 99.3744 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 63.9406, 76.4105, 99.3744 by changing the saturation by 10% instead.

63.9406, 76.4105,
99.3744

63.9406, 76.4105,
99.3744

428.5807,
482.7518, 579.4146

46.8641, 56.7692,
75.1642

109.5996,
128.3070, 162.3416

33.1357, 40.8200,
55.2449

138.9128,
161.3310, 201.9356

22.3902, 28.1784,
39.1979

173.0355,
199.5846, 247.4947

14.2621, 18.4602,
26.6047

212.3333,
243.4523, 299.4374

8.3861, 11.2809,
17.0468

257.1713,
293.3185, 358.1822

4.3968, 6.2561,
10.1055

307.9150,

1.9290, 3.0014,

349.5675, 424.1476

5.3625

364.9297,
412.5838, 497.7522

■ 0.5936, 1.1325,
2.3990

■ 0.0000, 0.0055,
0.7859

■ 63.9406, 76.4105,
99.3744

■ 63.9406, 76.4105,
99.3744

■ 58.2615, 72.2472,
98.8714

■ 70.6408, 81.1240,
99.9323

■ 53.5403, 68.5957,
98.4154

■ 78.4074, 86.4054,
100.5424

■ 49.7175, 65.4271,
98.0053

■ 87.2909, 92.2828,
101.2087

■ 46.7236, 62.7057,
97.6378

■ 92.0745, 96.0669,
101.6869

■ 44.4793, 60.3903,
97.3092

■ 92.9761, 97.8702,
101.9875

■ 42.8892, 58.4316,
97.0149

■ 93.7888, 99.4955,
102.2584

■ 41.8963, 56.9306,
96.7776

Harmonies

Analogous

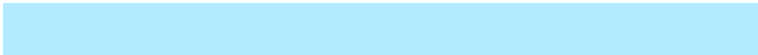
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.6221, 76.4105, 83.4178



63.9406, 76.4105, 99.3744



67.5637, 76.4105, 112.1917

Triad

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



63.9406, 76.4105, 99.3744



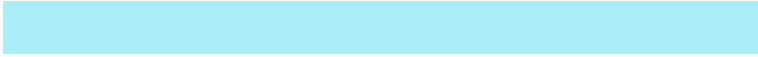
82.1473, 76.4105, 98.9470



72.5493, 76.4105, 56.6003

Complementary

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



63.9406, 76.4105, 99.3744



61.7346, 54.9174, 45.3783

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.



77.9348, 76.4105, 59.6867



63.9406, 76.4105, 99.3744



83.6420, 76.4105, 82.9787

Square

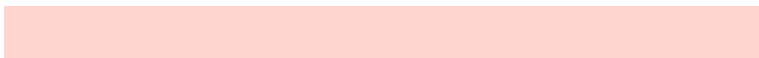
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



63.9406, 76.4105, 99.3744



78.0740, 76.4105, 111.9239



82.0641, 76.4105, 68.8799



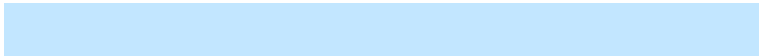
67.4373, 76.4105, 59.8628

Rectangle

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



63.9406, 76.4105, 99.3744



70.8917, 76.4105, 116.5193



82.0641, 76.4105, 68.8799



74.3881, 76.4105, 56.9248

Sweetspot

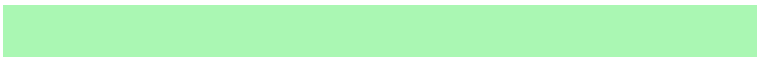
The Sweet Spot groups the original color and five complimentary colors.



63.9429, 76.4135, 99.3762



86.2554, 94.2051, 108.2450



57.9749, 78.3231, 54.7030



18.1779, 19.9739, 23.1472



0.0000, 0.0000, 0.0000



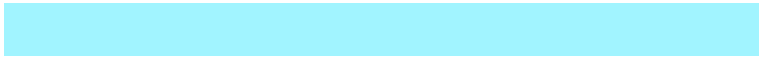
20.3446, 21.4041, 23.3091

Same Dimension

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



63.9429, 76.4135, 99.3762



65.0207, 79.4472, 106.5156



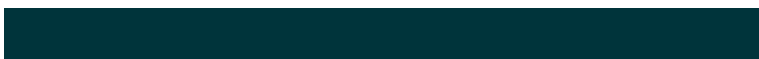
53.9102, 56.3482, 96.0319



16.8217, 18.4077, 21.2090



22.2257, 30.2452, 51.2045



1.9993, 2.7500, 4.5157

Inverse Universe

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



68.1670, 54.6985, 87.8574



70.2491, 53.1577, 92.1261



70.5526, 72.5533, 48.3176



17.1253, 16.7330, 20.4066



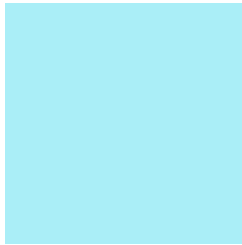
27.0230, 13.1526, 36.4253



2.3982, 1.1653, 3.3234

Previews

White Background



This preview shows how the XYZ color 63.9406, 76.4105, 99.3744 looks on a white background.

Color Contrast Check

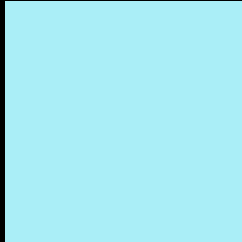
Large Text (above 18pt) WCAG AA × Fail

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 63.9406, 76.4105, 99.3744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

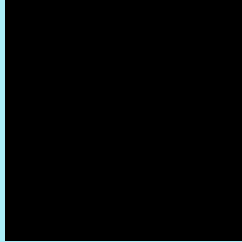
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.9406, 76.4105, 99.3744

Background



This preview shows how black text looks on a background with the XYZ color 63.9406, 76.4105, 99.3744.

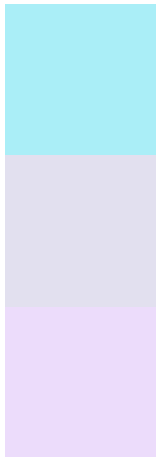


This preview shows how white text looks on a background with the XYZ color 63.9406, 76.4105,

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

63.9406, 76.4105, 99.3744

Protanopia

73.5997, 75.7121, 92.3961

Deuteranopia

77.5979, 75.9843, 101.8434



Tritanopia

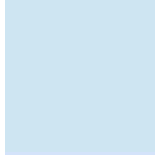
65.2790, 76.0951, 105.8550

Trichromacy



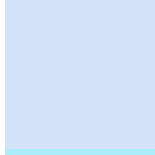
Original Color

63.9406, 76.4105, 99.3744



Protanomaly

69.4999, 75.5712, 94.9281



Deuteranomaly

71.8758, 75.8373, 101.2923



Tritanomaly

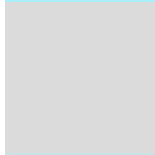
64.8681, 76.3673, 103.4169

Monochromacy



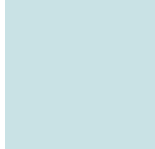
Original Color

63.9406, 76.4105, 99.3744



Achromatopsia

67.3311, 70.8376, 77.1421



Achromatomaly

65.4266, 72.4674, 84.6680

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.9406, 76.4105, 99.3744 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(170, 238, 247)` looks like.

```
.text, #text, p{  
    color:rgb(170, 238, 247)  
}
```

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(170, 238, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 238, 247) }
```

Border

The CSS property to change the border of an element to XYZ 63.9406, 76.4105, 99.3744 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(170, 238, 247) }
```


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

```
.border{ border-color:rgb(170, 238, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 238, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 238, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 238, 247);  
box-shadow:4px 4px 4px 4px rgb(170, 238,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 63.9406, 76.4105, 99.3744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 238, 247) }
```

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

```
.background{ background-color: rgb(170,  
238, 247) }
```

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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