

Converting Colors

XYZ(77.4017, 100.0000,
96.1099)

Have a look what the booklet for
XYZ(77.4017, 100.0000, 96.1099)
contains.

XYZ(71.4423, 88.1321, 94.1347)	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(71.4423, 88.1321,
94.1347)**

Conversions

Conversions Part 1

Format	Color
Hex	BAFFEE
RGB	186, 255, 238
RGB Percent	73%, 100%, 93%
CMY	0.2706, 0.0000, 0.0667
CMYK	0.27, 0.00, 0.07, 0.00
HSL	165°, 100%, 86%
HSV	165°, 27%, 100%
XYZ	71.4423, 88.1321, 94.1347
YIQ	232.4310, -35.6670, -19.9150

Conversions

Conversions Part 2

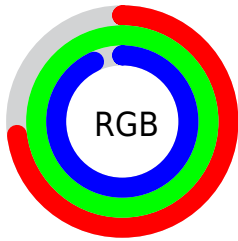
Format	Color
RYB	186, 225, 255
Decimal	12255214
CIELab	95.22, -24.77, 1.22
CIELCh	95, 24.798, 177.170
Yxy	88.1321, 0.2816, 0.3474
Android (android.graphics.Color)	4290445294 (0xFFBAFFEE)
YUV	232.4310, 2.7455, -40.7200
Hunter-Lab	93.8787, -28.4481, 6.2634

Details

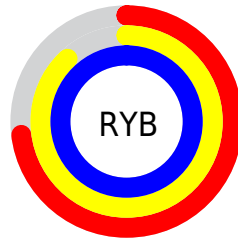
The XYZ color **71.4423, 88.1321, 94.1347** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.5791, 60.6908, 64.5477**, and the grayscale version is **77.0237, 81.0349, 88.2470**.

A 20% lighter version of the original color is **90.7721, 97.7947, 108.6998**, and **37.9977, 48.5909, 51.6323** is the 20% darker color. If you saturate the color by 10%, you get **64.8836, 84.8558, 89.0944**, and if you desaturate by 10%, it is **79.1405, 91.9922, 99.3993**.

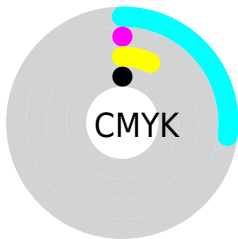
Distribution



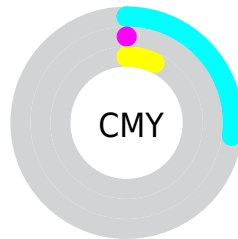
- Red (73%)
- Green (100%)
- Blue (93%)



- Red (73%)
- Yellow (88%)
- Blue (100%)



- Cyan (27%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)





- Cyan (27%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.4423, 88.1321, 94.1347 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 71.4423, 88.1321, 94.1347 by changing the saturation by 10% instead.


 71.4423, 88.1321,
94.1347

 71.4423, 88.1321,
94.1347


454.7859,
521.9357, 562.3045

 52.9871, 66.4325,
70.8221


 120.2784,
144.7411, 155.0539

 38.0199, 48.6236,
51.7161


151.3900,
180.4192, 193.4976

 26.1754, 34.3210,
36.3981


187.4510,
221.5256, 237.8220

 17.0883, 23.1403,
24.4497

228.8269,
268.4447, 288.4457

 10.3931, 14.6971,
15.4523

275.8830,
321.5608, 345.7873

 5.7246, 8.6071,
8.9873

328.9846,

 2.7174, 4.4858,

381.2585, 410.2653

4.6362

388.4971,
447.9220, 482.2982

■ 1.0062, 1.9489,
1.9804

■ 0.0000, 0.5775,
0.5432

■ 71.4423, 88.1321,
94.1347

■ 71.4423, 88.1321,
94.1347

■ 64.8836, 84.8558,
89.0944

■ 79.1405, 91.9922,
99.3993

■ 59.4025, 82.1313,
84.2696

■ 88.0302, 96.4627,
104.8881

■ 54.9354, 79.9258,
79.6569

95.0500, 100.0000,
108.9000

■ 51.4105, 78.2026,
75.2514

■ 48.7468, 76.9197,
71.0474

■ 46.8488, 76.0280,
67.0387

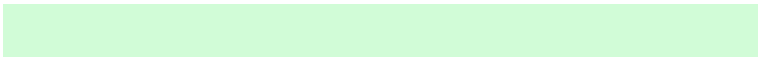
■ 45.5945, 75.4647,
63.2177

■ 45.2942, 75.3337,
62.1264

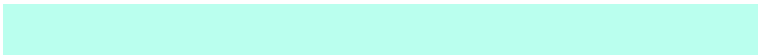
Harmonies

Analogous

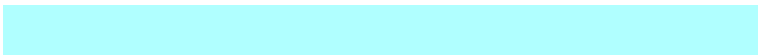
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.3113, 88.1321, 77.1588



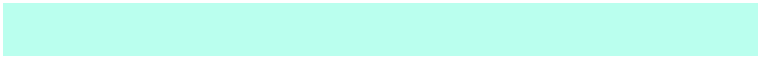
71.4423, 88.1321, 94.1347



72.7257, 88.1321, 113.9854

Triad

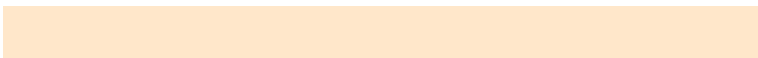
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.4423, 88.1321, 94.1347



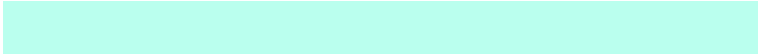
89.8444, 88.1321, 133.0399



91.0141, 88.1321, 67.9532

Complementary

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



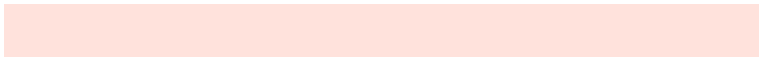
71.4423, 88.1321, 94.1347



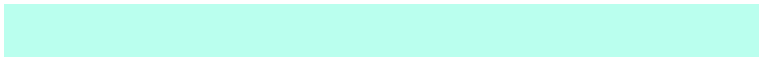
69.5791, 60.6908, 64.5477

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.



95.8726, 88.1321, 79.9443



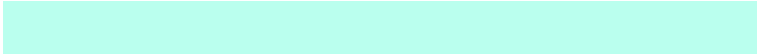
71.4423, 88.1321, 94.1347



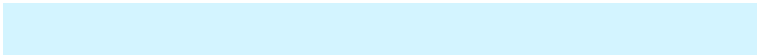
95.1721, 88.1321, 117.5932

Square

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



71.4423, 88.1321, 94.1347



83.1268, 88.1321, 138.1557



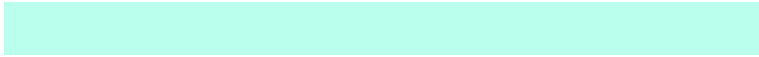
97.4332, 88.1321, 97.8105



84.4103, 88.1321, 63.3722

Rectangle

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



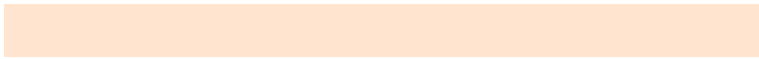
71.4423, 88.1321, 94.1347



75.2366, 88.1321, 125.9363



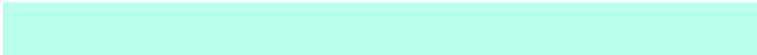
97.4332, 88.1321, 97.8105



92.9188, 88.1321, 71.1647

Sweetspot

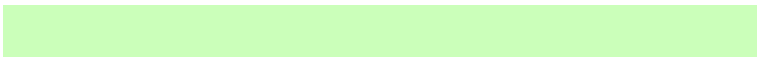
The Sweet Spot groups the original color and five complimentary colors.



71.4433, 88.1326, 94.1362



87.1403, 96.0147, 104.3612



69.3205, 87.7972, 59.7489



18.3523, 20.4005, 22.1584



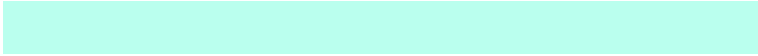
0.0000, 0.0000, 0.0000



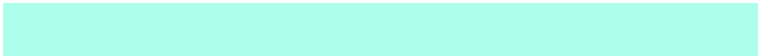
20.3446, 21.4041, 23.3091

Same Dimension

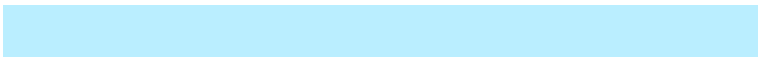
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.4433, 88.1326, 94.1362



68.0627, 86.4421, 91.6170



68.8024, 78.6634, 106.1650



18.3523, 20.4005, 22.1584



23.7296, 39.3884, 32.7912



2.3538, 3.8524, 3.4207

Inverse Universe

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



69.5791, 60.6908, 64.5477



65.9422, 55.1735, 57.9208



71.5187, 67.6363, 55.7416



18.1929, 18.0605, 19.6328



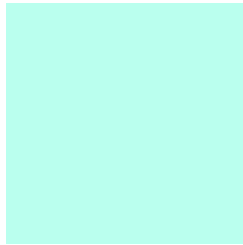
22.0642, 11.3150, 3.7227



2.1895, 1.1182, 0.5792

Previews

White Background



This preview shows how the XYZ color 71.4423, 88.1321, 94.1347 looks on a white background.

Color Contrast Check

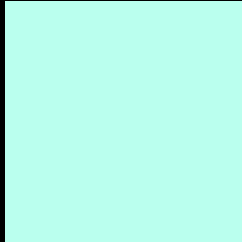
Large Text (above 18pt) WCAG AA × Fail

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 71.4423, 88.1321, 94.1347 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

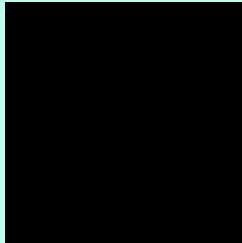
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

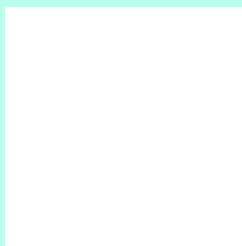
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.4423, 88.1321, 94.1347

Background



This preview shows how black text looks on a background with the XYZ color 71.4423, 88.1321, 94.1347.

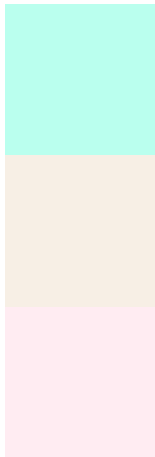


This preview shows how white text looks on a background with the XYZ color 71.4423, 88.1321,

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

71.4423, 88.1321, 94.1347

Protanopia

83.3671, 87.1643, 86.5592

Deuteranopia

87.2625, 87.6617, 96.3256



Tritanopia

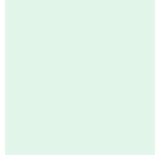
80.2176, 87.7405, 107.3154

Trichromacy



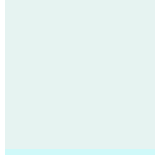
Original Color

71.4423, 88.1321, 94.1347



Protanomaly

78.2692, 87.1386, 89.0381



Deuteranomaly

80.5609, 87.2751, 95.8188



Tritanomaly

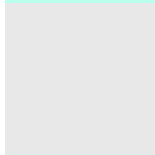
76.9870, 88.0008, 102.5507

Monochromacy



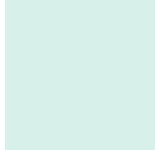
Original Color

71.4423, 88.1321, 94.1347



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

74.0357, 82.7078, 89.9040

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.4423, 88.1321, 94.1347 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(186, 255, 238)` looks like.

```
.text, #text, p{  
    color:rgb(186, 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(186, 255, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 255, 238) }
```

Border

The CSS property to change the border of an element to XYZ 71.4423, 88.1321, 94.1347 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(186, 255, 238) }
```


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

```
.border{ border-color:rgb(186, 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(186, 255, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 255, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 255, 238);  
box-shadow:4px 4px 4px 4px rgb(186, 255,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 71.4423, 88.1321, 94.1347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 255, 238) }
```

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

```
.background{ background-color: rgb(186,  
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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