

Converting Colors

XYZ(76.0953, 80.1387,
128.4860)

Have a look what the booklet for
XYZ(76.0953, 80.1387, 128.4860)
contains.

XYZ(71.8299, 78.6222, 105.9975)	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(71.8299, 78.6222,
105.9975)**

Conversions

Conversions Part 1

Format	Color
Hex	CAEAFF
RGB	202, 234, 255
RGB Percent	79%, 92%, 100%
CMY	0.2078, 0.0823, 0.0000
CMYK	0.21, 0.08, 0.00, 0.00
HSL	204°, 100%, 90%
HSV	204°, 21%, 100%
XYZ	71.8299, 78.6222, 105.9975
YIQ	226.8260, -25.8130, -0.2530

Conversions

Conversions Part 2

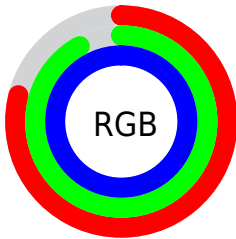
Format	Color
R _Y B	202, 222, 255
Decimal	13298431
CIE Lab	91.06, -6.04, -13.63
CIE LCh	91, 14.906, 246.077
Yxy	78.6222, 0.2801, 0.3066
Android (android.graphics.Color)	4291488511 (0xFFCAEAF7)
YUV	226.8260, 13.8898, -21.7724
Hunter-Lab	88.6692, -10.5702, -8.8084

Details

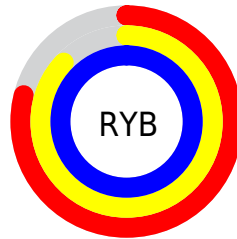
The XYZ color **71.8299, 78.6222, 105.9975** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.2880, 78.2985, 66.8656**, and the grayscale version is **72.8047, 76.5963, 83.4133**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.1461, 42.1211, 59.5457** is the 20% darker color. If you saturate the color by 10%, you get **62.6979, 69.7679, 104.7698**, and if you desaturate by 10%, it is **82.2701, 88.3984, 107.3342**.

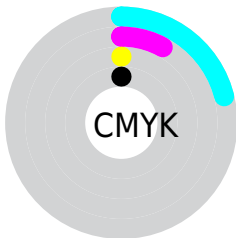
Distribution



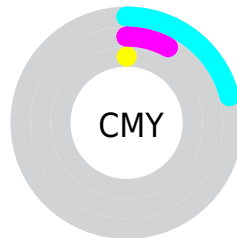
- Red (79%)
- Green (92%)
- Blue (100%)



- Red (79%)
- Yellow (87%)
- Blue (100%)



- Cyan (21%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (21%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.8299, 78.6222, 105.9975 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 71.8299, 78.6222, 105.9975 by changing the saturation by 10% instead.

■ 71.8299, 78.6222,
105.9975

■ 71.8299, 78.6222,
105.9975

456.1162,
490.2773, 600.6649

■ 53.3047, 58.5852,
80.6740

120.8268,
131.4269, 171.4985

■ 38.2745, 42.2793,
59.7437

152.0292,
164.9633, 212.5130

■ 26.3740, 29.3201,
42.7881

188.1880,
203.7685, 259.5950

■ 17.2378, 19.3231,
29.3887

229.6686,
248.2266, 313.1629

■ 10.5005, 11.9040,
19.1270

276.8364,
298.7222, 373.6353

■ 5.7969, 6.6783,
11.5843

330.0567,

■ 2.7614, 3.2617,

355.6395, 441.4308

6.3422

389.6948,
419.3631, 516.9678

■ 1.0289, 1.2699,
2.9821

■ 0.0000, 0.1177,
1.0855

■ 71.8299, 78.6222,
105.9975

■ 71.8299, 78.6222,
105.9975

■ 62.6979, 69.7679,
104.7698

■ 82.2701, 88.3984,
107.3342

■ 54.8092, 61.7920,
103.6460

■ 94.0670, 99.1193,
108.7818

■ 48.1024, 54.6607,
102.6230

■ 95.0500, 100.0000,
108.9000

■ 42.5080, 48.3339,
101.6967

■ 37.9487, 42.7675,
100.8626

■ 34.3358, 37.9112,
100.1156

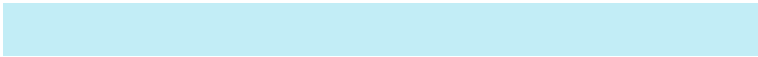
■ 31.5639, 33.7061,
99.4501

■ 29.6024, 30.3248,
98.9008

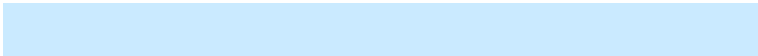
Harmonies

Analogous

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



69.0268, 78.6222, 98.4090



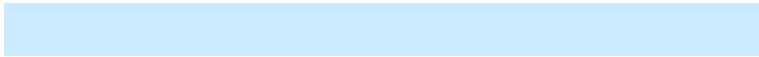
71.8299, 78.6222, 105.9975



75.4973, 78.6222, 107.9291

Triad

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



71.8299, 78.6222, 105.9975



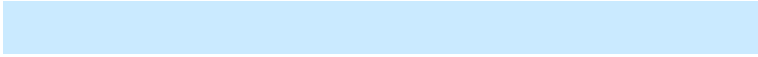
82.1626, 78.6222, 83.4292



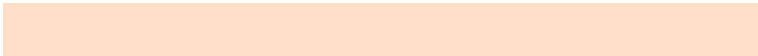
70.5443, 78.6222, 69.9146

Complementary

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



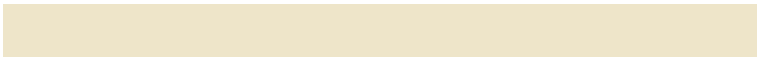
71.8299, 78.6222, 105.9975



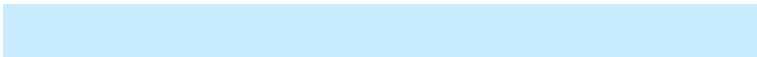
78.2880, 78.2985, 66.8656

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.



73.9640, 78.6222, 66.5953



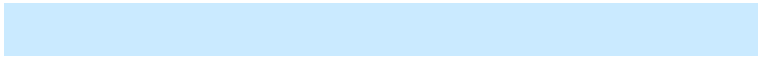
71.8299, 78.6222, 105.9975



80.7349, 78.6222, 73.9650

Square

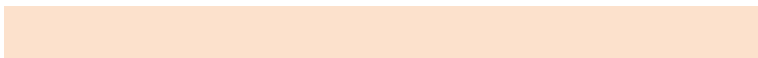
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.8299, 78.6222, 105.9975



81.5448, 78.6222, 94.2943



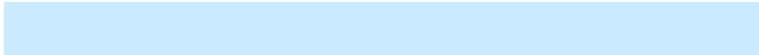
77.7031, 78.6222, 68.0137



68.3022, 78.6222, 77.4689

Rectangle

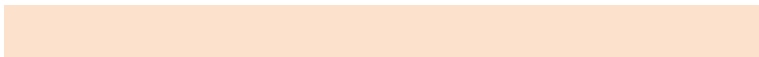
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.8299, 78.6222, 105.9975



77.9567, 78.6222, 105.6179



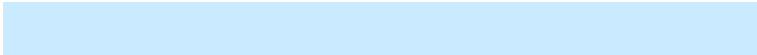
77.7031, 78.6222, 68.0137



71.5898, 78.6222, 68.2968

Sweetspot

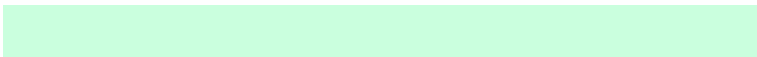
The Sweet Spot groups the original color and five complimentary colors.



71.8320, 78.6253, 105.9980



87.7402, 93.4064, 108.0126



73.3453, 89.3679, 82.7151



18.6162, 19.8437, 23.0990



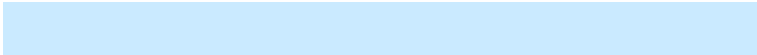
0.0000, 0.0000, 0.0000



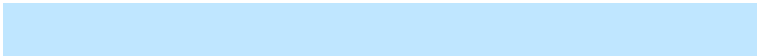
20.3446, 21.4041, 23.3091

Same Dimension

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



71.8320, 78.6253, 105.9980



67.8247, 74.7807, 105.4671



65.0090, 64.9792, 103.7236



17.9156, 19.2029, 23.0122



15.6178, 16.1451, 51.7278



1.6274, 1.7854, 5.0721

Inverse Universe

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



77.2131, 69.4431, 87.1798



74.1725, 64.3296, 83.1830



85.7201, 93.1627, 69.3430



18.4701, 18.1713, 21.0925



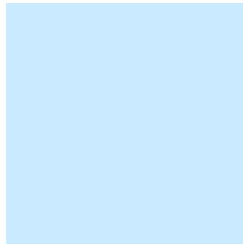
24.6713, 12.3578, 17.4515



2.4560, 1.2248, 1.9828

Previews

White Background



This preview shows how the XYZ color 71.8299, 78.6222, 105.9975 looks on a white background.

Color Contrast Check

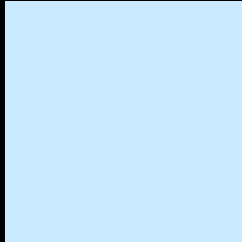
Large Text (above 18pt) WCAG AA × Fail

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 71.8299, 78.6222, 105.9975 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

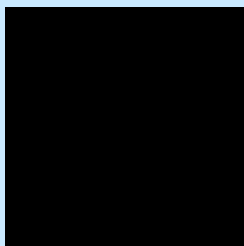
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

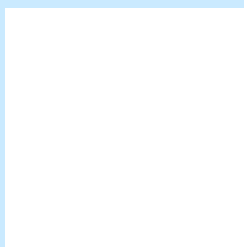
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.8299, 78.6222, 105.9975

Background



This preview shows how black text looks on a background with the XYZ color 71.8299, 78.6222, 105.9975.

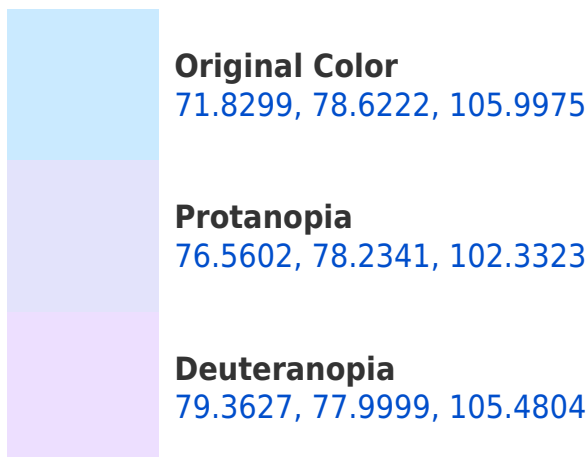


This preview shows how white text looks on a background with the XYZ color 71.8299, 78.6222,

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

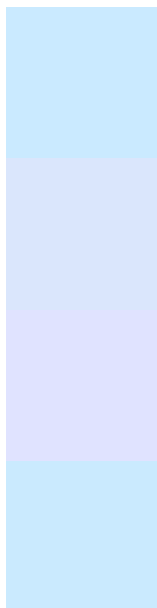




Tritanopia

71.5096, 78.4940, 104.3104

Trichromacy



Original Color

71.8299, 78.6222, 105.9975

Protanomaly

74.7809, 78.5273, 103.3114

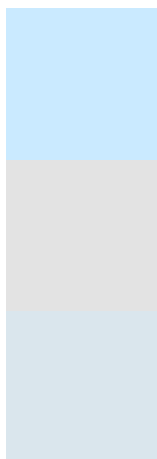
Deuteranomaly

76.2596, 78.0055, 105.6450

Tritanomaly

71.6693, 78.5580, 105.1518

Monochromacy



Original Color

71.8299, 78.6222, 105.9975

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

72.4963, 77.6135, 91.2807

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.8299, 78.6222, 105.9975 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(202, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(202, 234, 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(202, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 234, 255) }
```

Border

The CSS property to change the border of an element to XYZ 71.8299, 78.6222, 105.9975 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(202, 234, 255) }
```


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

```
.border{ border-color:rgb(202, 234, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 234, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(202, 234,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 71.8299, 78.6222, 105.9975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 234, 255) }
```

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

```
.background{ background-color: rgb(202,  
234, 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