

Converting Colors

XYZ(77.6453, 80.9261,
140.7814)

Have a look what the booklet for
XYZ(77.6453, 80.9261, 140.7814)
contains.

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Color

**XYZ(71.0260, 78.2078,
105.9599)**

Conversions

Conversions Part 1

Format	Color
Hex	C7EAFF
RGB	199, 234, 255
RGB Percent	78%, 92%, 100%
CMY	0.2196, 0.0823, 0.0000
CMYK	0.22, 0.08, 0.00, 0.00
HSL	202°, 100%, 89%
HSV	202°, 22%, 100%
XYZ	71.0260, 78.2078, 105.9599
YIQ	225.9290, -27.6010, -0.8890

Conversions

Conversions Part 2

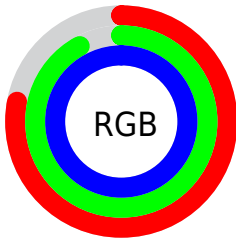
Format	Color
R_{YB}	199, 221, 255
Decimal	13101823
CIE _{Lab}	90.87, -6.94, -13.93
CIE _{LCh}	91, 15.560, 243.520
Yxy	78.2078, 0.2783, 0.3065
Android (android.graphics.Color)	4291291903 (0xFFC7EAFF)
YUV	225.9290, 14.3320, -23.6167
Hunter-Lab	88.4352, -11.4007, -9.1346

Details

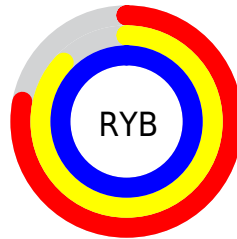
The XYZ color **71.0260, 78.2078, 105.9599** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.1418, 76.5689, 64.7479**, and the grayscale version is **72.1532, 75.9108, 82.6669**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.6150, 41.8473, 59.5209** is the 20% darker color. If you saturate the color by 10%, you get **62.1701, 69.7120, 104.7868**, and if you desaturate by 10%, it is **81.1666, 87.5880, 107.2360**.

Distribution



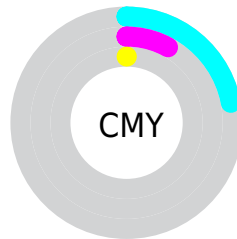
- Red (78%)
- Green (92%)
- Blue (100%)



- Red (78%)
- Yellow (87%)
- Blue (100%)



- Cyan (22%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.0260, 78.2078, 105.9599 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 71.0260, 78.2078, 105.9599 by changing the saturation by 10% instead.

71.0260, 78.2078,
105.9599

71.0260, 78.2078,
105.9599

453.3547,
488.8723, 600.5454

52.6460, 58.2447,
80.6426

119.6891,
130.8430, 171.4467

37.7466, 42.0054,
59.7180

150.7029,
164.2839, 212.4532

25.9624, 29.1055,
42.7676

186.6586,
202.9862, 259.5267

16.9281, 19.1607,
29.3728

227.9218,
247.3343, 313.0855

10.2782, 11.7864,
19.1150

274.8576,
297.7125, 373.5482

5.6475, 6.5984,
11.5757

327.8314,

2.6705, 3.2123,

354.5053, 441.3334

6.3365

387.2087,
418.0971, 516.8597

■ 0.9820, 1.2435,
2.9787

■ 0.0000, 0.0968,
1.0837

■ 71.0260, 78.2078,
105.9599

■ 71.0260, 78.2078,
105.9599

■ 62.1701, 69.7120,
104.7868

■ 81.1666, 87.5880,
107.2360

■ 54.5340, 62.0576,
103.7118

■ 92.6405, 97.8749,
108.6168

■ 48.0560, 55.2115,
102.7318

■ 95.0500, 100.0000,
108.9000

■ 42.6663, 49.1340,
101.8428

■ 38.2869, 43.7813,
101.0404

■ 34.8280, 39.1033,
100.3198

■ 32.1821, 35.0407,
99.6751

■ 30.5157, 32.1515,
99.2052

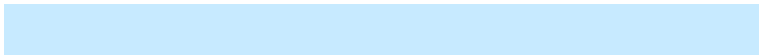
Harmonies

Analogous

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



68.2298, 78.2078, 97.6317



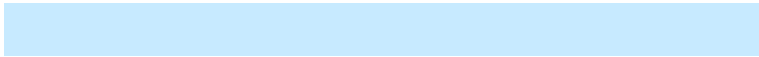
71.0260, 78.2078, 105.9599



74.7976, 78.2078, 108.5517

Triad

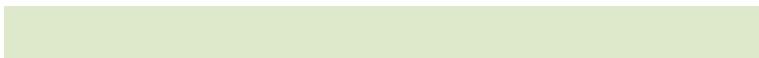
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.0260, 78.2078, 105.9599



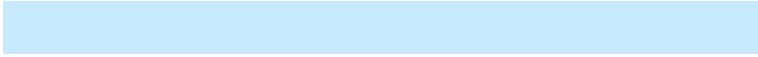
82.1085, 78.2078, 83.8373



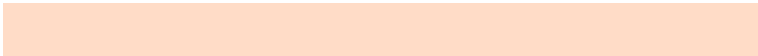
70.2517, 78.2078, 68.4071

Complementary

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



71.0260, 78.2078, 105.9599



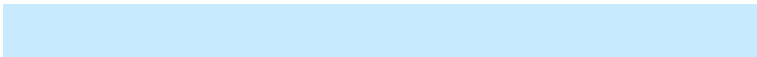
77.1418, 76.5689, 64.7479

Split Complementary

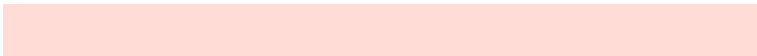
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.8726, 78.2078, 65.3876



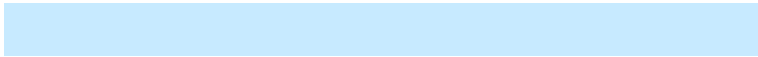
71.0260, 78.2078, 105.9599



80.7922, 78.2078, 73.7893

Square

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



71.0260, 78.2078, 105.9599



81.2821, 78.2078, 95.1402



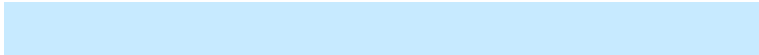
77.7435, 78.2078, 67.2689



67.7939, 78.2078, 75.8941

Rectangle

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



71.0260, 78.2078, 105.9599



77.3808, 78.2078, 106.5056



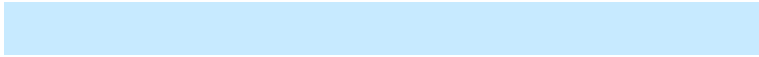
77.7435, 78.2078, 67.2689



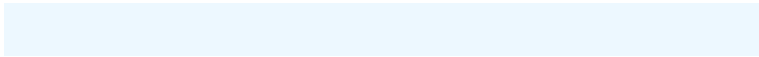
71.3686, 78.2078, 66.8673

Sweetspot

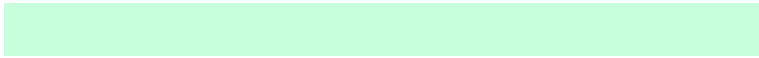
The Sweet Spot groups the original color and five complimentary colors.



71.0281, 78.2109, 105.9604



86.6872, 92.5744, 107.9075



72.1707, 88.8052, 80.7251



18.4070, 19.6822, 23.0788



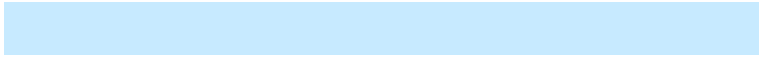
0.0000, 0.0000, 0.0000



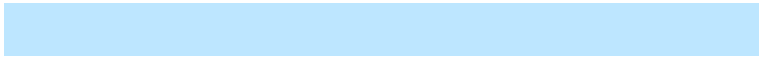
20.3446, 21.4041, 23.3091

Same Dimension

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



71.0281, 78.2109, 105.9604



67.2983, 74.6732, 105.4741



63.7883, 63.7313, 103.5471



17.9491, 19.2697, 23.0234



16.0933, 17.0962, 51.8863



1.6720, 1.8747, 5.0870

Inverse Universe

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



76.5160, 68.0489, 86.9475



73.6760, 63.2474, 83.2924



84.9733, 92.2321, 67.3585



18.4869, 18.1781, 21.1814



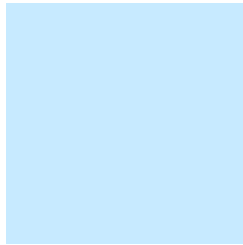
24.9114, 12.4538, 18.7155



2.4786, 1.2338, 2.1015

Previews

White Background



This preview shows how the XYZ color 71.0260, 78.2078, 105.9599 looks on a white background.

Color Contrast Check

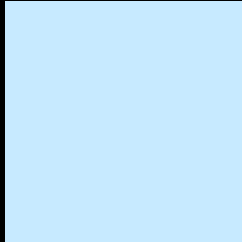
Large Text (above 18pt) WCAG AA × Fail

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 71.0260, 78.2078, 105.9599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

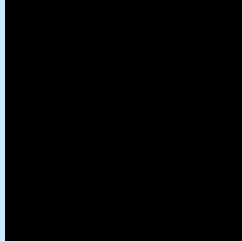
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

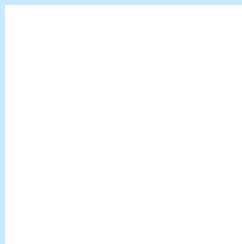
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.0260, 78.2078, 105.9599

Background



This preview shows how black text looks on a background with the XYZ color 71.0260, 78.2078, 105.9599.



This preview shows how white text looks on a background with the XYZ color 71.0260, 78.2078,

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

71.0260, 78.2078, 105.9599

Protanopia

76.0884, 78.0090, 101.4894

Deuteranopia

79.0297, 77.8282, 105.4648



Tritanopia

70.7056, 78.0796, 104.2728

Trichromacy



Original Color

71.0260, 78.2078, 105.9599

Protanomaly

74.1864, 78.2208, 103.2835

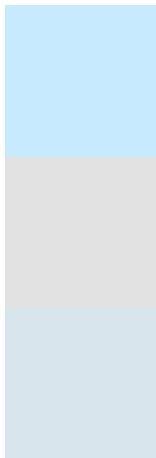
Deuteranomaly

75.9505, 77.8461, 105.6305

Tritanomaly

70.8654, 78.1435, 105.1141

Monochromacy



Original Color

71.0260, 78.2078, 105.9599

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

71.6243, 76.7520, 91.1604

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.0260, 78.2078, 105.9599 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(199, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(199, 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(199, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 234, 255) }
```

Border

The CSS property to change the border of an element to XYZ 71.0260, 78.2078, 105.9599 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(199, 234, 255) }
```


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

```
.border{ border-color:rgb(199, 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(199, 234, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(199, 234,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 71.0260, 78.2078, 105.9599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 234, 255) }
```

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

```
.background{ background-color: rgb(199,  
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](#).

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