

Converting Colors

XYZ(71.2660, 78.6873,
106.0398)

Have a look what the booklet for
XYZ(71.2660, 78.6873, 106.0398)
contains.

XYZ(71.3115, 78.7788, 106.0550)	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(71.3115, 78.7788,
106.0550)**

Conversions

Conversions Part 1

Format	Color
Hex	C7EBFF
RGB	199, 235, 255
RGB Percent	78%, 92%, 100%
CMY	0.2196, 0.0784, 0.0000
CMYK	0.22, 0.08, 0.00, 0.00
HSL	201°, 100%, 89%
HSV	201°, 22%, 100%
XYZ	71.3115, 78.7788, 106.0550
YIQ	226.5160, -27.8760, -1.4120

Conversions

Conversions Part 2

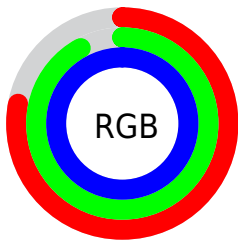
Format	Color
R_{YB}	199, 221, 255
Decimal	13102079
CIE _{Lab}	91.13, -7.45, -13.54
CIE _{LCh}	91, 15.453, 241.181
Yxy	78.7788, 0.2784, 0.3076
Android (android.graphics.Color)	4291292159 (0xFFC7EBFF)
YUV	226.5160, 14.0426, -24.1315
Hunter-Lab	88.7574, -11.9110, -8.7146

Details

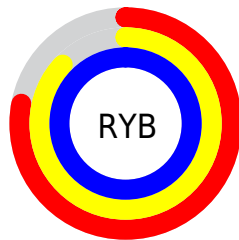
The XYZ color **71.3115, 78.7788, 106.0550** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.8801, 76.0456, 64.6608**, and the grayscale version is **72.5800, 76.3598, 83.1558**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.8147, 42.2467, 59.5875** is the 20% darker color. If you saturate the color by 10%, you get **62.5640, 70.4997, 104.9181**, and if you desaturate by 10%, it is **81.3304, 87.9155, 107.2906**.

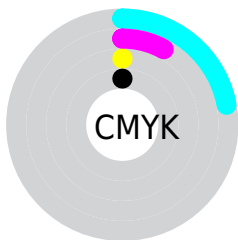
Distribution



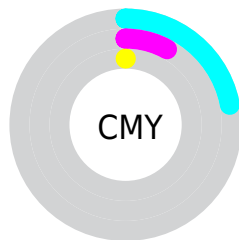
- Red (78%)
- Green (92%)
- Blue (100%)



- 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 71.3115, 78.7788, 106.0550 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 71.3115, 78.7788, 106.0550 by changing the saturation by 10% instead.

71.3115, 78.7788,
106.0550

71.3115, 78.7788,
106.0550

454.3365,
490.8077, 600.8477

52.8799, 58.7140,
80.7219

120.0933,
131.6474, 171.5777

37.9340, 42.3829,
59.7829

151.1741,
165.2200, 212.6045

26.1084, 29.4012,
42.8195

187.2021,
204.0639, 259.6995

17.0379, 19.3846,
29.4132

228.5426,
248.5636, 313.2813

10.3570, 11.9485,
19.1454

275.5609,
299.1034, 373.7685

5.7004, 6.7086,
11.5975

328.6225,

2.7027, 3.2805,

356.0678, 441.5796

6.3510

388.0925,
419.8411, 517.1332

■ 0.9985, 1.2799,
2.9875

■ 0.0000, 0.1256,
1.0882

■ 71.3115, 78.7788,
106.0550

■ 71.3115, 78.7788,
106.0550

■ 62.5640, 70.4997,
104.9181

■ 81.3304, 87.9155,
107.2906

■ 55.0230, 63.0357,
103.8748

■ 92.6687, 97.9313,
108.6262

■ 48.6274, 56.3544,
102.9223

95.0500, 100.0000,
108.9000

■ 43.3077, 50.4169,
102.0566

■ 38.9861, 45.1798,
101.2735

■ 35.5734, 40.5940,
100.5683

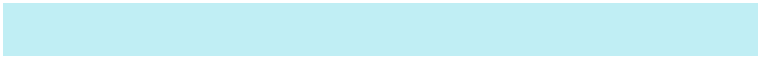
■ 32.9622, 36.6009,
99.9351

■ 31.3158, 33.7516,
99.4719

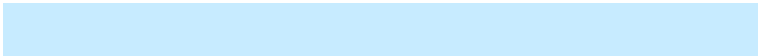
Harmonies

Analogous

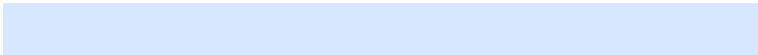
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.6282, 78.7788, 97.4127



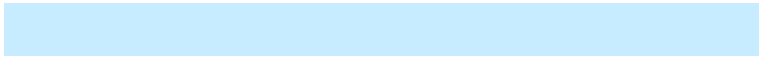
71.3115, 78.7788, 106.0550



75.0320, 78.7788, 109.1509

Triad

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



71.3115, 78.7788, 106.0550



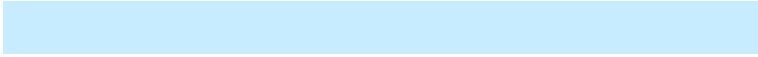
82.6466, 78.7788, 85.3337



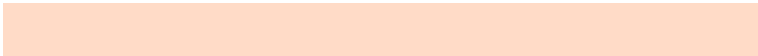
71.0520, 78.7788, 68.6454

Complementary

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



71.3115, 78.7788, 106.0550



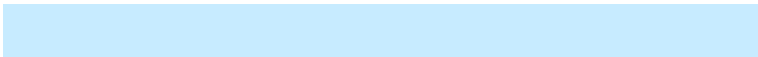
76.8801, 76.0456, 64.6608

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.



74.7220, 78.7788, 66.0031



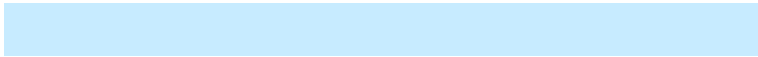
71.3115, 78.7788, 106.0550



81.4938, 78.7788, 75.1064

Square

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



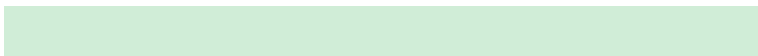
71.3115, 78.7788, 106.0550



81.6579, 78.7788, 96.5783



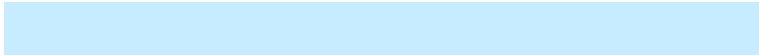
78.5592, 78.7788, 68.2636



68.4821, 78.7788, 75.8121

Rectangle

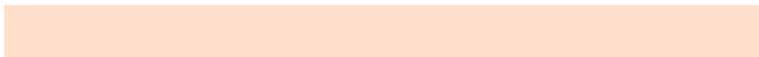
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.3115, 78.7788, 106.0550



77.6259, 78.7788, 107.4572



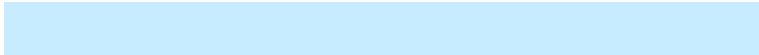
78.5592, 78.7788, 68.2636



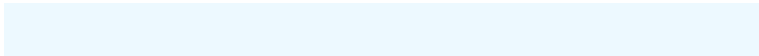
72.1935, 78.7788, 67.2281

Sweetspot

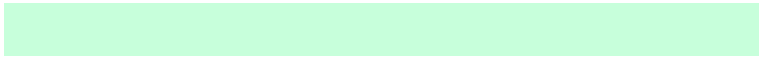
The Sweet Spot groups the original color and five complimentary colors.



71.3136, 78.7819, 106.0555



86.7854, 92.7709, 107.9402



72.0477, 88.7560, 80.0776



18.4298, 19.7278, 23.0864



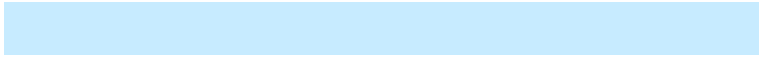
0.0000, 0.0000, 0.0000



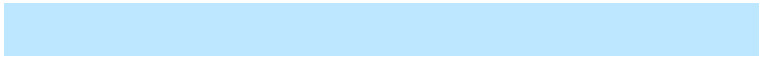
20.3446, 21.4041, 23.3091

Same Dimension

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



71.3136, 78.7819, 106.0555



67.6292, 75.3350, 105.5844



64.0143, 64.1833, 103.6224



17.9773, 19.3261, 23.0328



16.5095, 17.9285, 52.0250



1.7108, 1.9523, 5.0999

Inverse Universe

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



76.6601, 68.1066, 87.7064



73.8430, 63.3142, 84.1718



84.6878, 91.6610, 67.2633



18.5012, 18.1838, 21.2563



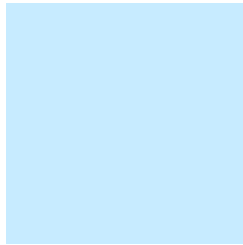
25.1214, 12.5379, 19.8216



2.4981, 1.2416, 2.2046

Previews

White Background



This preview shows how the XYZ color 71.3115, 78.7788, 106.0550 looks on a white background.

Color Contrast Check

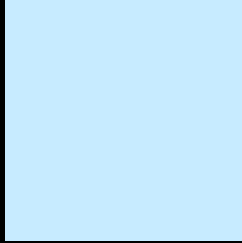
Large Text (above 18pt) WCAG AA × Fail

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 71.3115, 78.7788, 106.0550 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

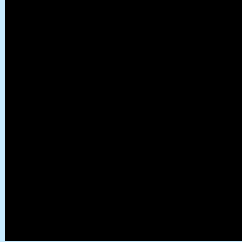
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

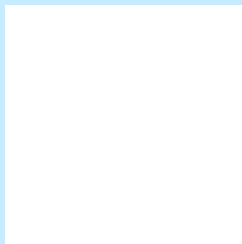
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.3115, 78.7788, 106.0550

Background



This preview shows how black text looks on a background with the XYZ color 71.3115, 78.7788, 106.0550.

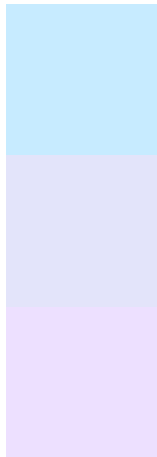


This preview shows how white text looks on a background with the XYZ color 71.3115, 78.7788,

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

71.3115, 78.7788, 106.0550

Protanopia

76.6773, 78.7198, 101.5956

Deuteranopia

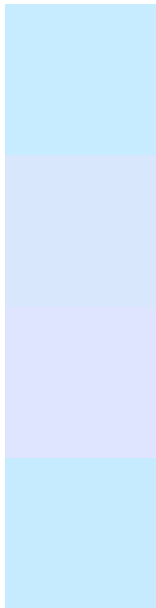
79.6307, 78.5358, 105.5697



Tritanopia

71.1509, 78.7145, 105.2093

Trichromacy



Original Color

71.3115, 78.7788, 106.0550

Protanomaly

74.7619, 78.9318, 103.3905

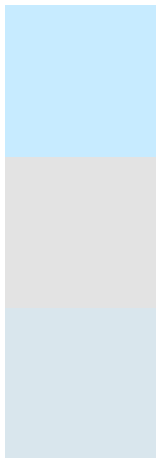
Deuteranomaly

76.2248, 78.3948, 105.7220

Tritanomaly

71.1509, 78.7145, 105.2093

Monochromacy



Original Color

71.3115, 78.7788, 106.0550

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

72.1981, 77.4598, 91.2667

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.3115, 78.7788, 106.0550 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, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(199, 235, 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, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 235, 255) }
```

Border

The CSS property to change the border of an element to XYZ 71.3115, 78.7788, 106.0550 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, 235, 255) }
```


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

```
.border{ border-color:rgb(199, 235, 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, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 235, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 235, 255); box-shadow:4px 4px 4px 4px rgb(199, 235, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 71.3115, 78.7788, 106.0550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 235, 255) }
```

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

```
.background{ background-color: rgb(199,  
235, 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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