

Converting Colors

XYZ(85.1382, 92.2780,
144.8427)

Have a look what the booklet for
XYZ(85.1382, 92.2780, 144.8427)
contains.

XYZ(78.0008, 89.3362, 107.7403)	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(78.0008, 89.3362,
107.7403)**

Conversions

Conversions Part 1

Format	Color
Hex	CEFBFF
RGB	206, 251, 255
RGB Percent	81%, 98%, 100%
CMY	0.1921, 0.0157, 0.0000
CMYK	0.19, 0.02, 0.00, 0.00
HSL	185°, 100%, 90%
HSV	185°, 19%, 100%
XYZ	78.0008, 89.3362, 107.7403
YIQ	238.0010, -28.1040, -8.2960

Conversions

Conversions Part 2

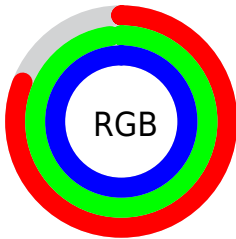
Format	Color
R_{YB}	206, 229, 255
Decimal	13564927
CIE _{Lab}	95.72, -13.44, -6.68
CIE _{LCh}	96, 15.002, 206.423
Yxy	89.3362, 0.2836, 0.3248
Android (android.graphics.Color)	4291755007 (0xFFCEFBFF)
YUV	238.0010, 8.3805, -28.0649
Hunter-Lab	94.5178, -18.0991, -1.4218

Details

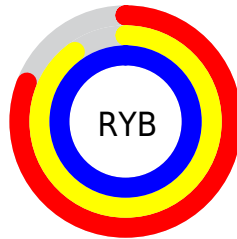
The XYZ color **78.0008, 89.3362, 107.7403** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.4269, 71.8084, 68.2792**, and the grayscale version is **81.2236, 85.4535, 93.0589**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2473, 49.2401, 60.7037** is the 20% darker color. If you saturate the color by 10%, you get **70.8425, 84.6894, 107.2206**, and if you desaturate by 10%, it is **86.3194, 94.5964, 108.3172**.

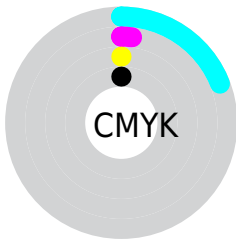
Distribution



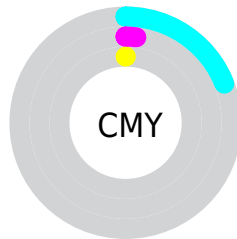
- Red (81%)
- Green (98%)
- Blue (100%)



- Red (81%)
- Yellow (90%)
- Blue (100%)



- Cyan (19%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)




- Cyan (19%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.0008, 89.3362, 107.7403 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 78.0008, 89.3362, 107.7403 by changing the saturation by 10% instead.


 78.0008, 89.3362,
107.7403

 78.0008, 89.3362,
107.7403


477.0093,
525.8692, 606.1912

 58.3774, 67.4302,
82.1275


129.5166,
146.4160, 173.8985

 42.3566, 49.4343,
60.9342


162.1398,
182.3586, 215.2809

 29.5729, 34.9641,
43.7419


199.8269,
223.7489, 262.7571

 19.6611, 23.6353,
30.1319

242.9433,
270.9712, 316.7454

 12.2558, 15.0633,
19.6858

291.8544,
324.4101, 377.6644

 6.9916, 8.8638,
11.9851

346.9255,

 3.5031, 4.6525,

384.4497, 445.9327

6.6111

408.5220,
451.4746, 521.9688

■ 1.4251, 2.0448,
3.1454

■ 0.2740, 0.6333,
1.1693

■ 78.0008, 89.3362,
107.7403

■ 78.0008, 89.3362,
107.7403

■ 70.8425, 84.6894,
107.2206

■ 86.3194, 94.5964,
108.3172

■ 64.7821, 80.6168,
106.7540

95.0500, 100.0000,
108.9000

■ 59.7620, 77.0910,
106.3380

■ 55.7168, 74.0783,
105.9697

■ 52.5731, 71.5408,
105.6456

■ 50.2476, 69.4355,
105.3618

■ 48.6410, 67.7112,
105.1137

■ 47.6040, 66.2908,
104.8942

■ 47.5324, 66.1848,
104.8775

Harmonies

Analogous

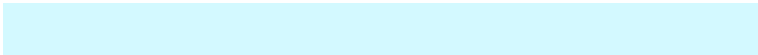
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.2345, 89.3362, 95.8606



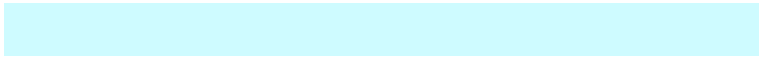
78.0008, 89.3362, 107.7403



80.5974, 89.3362, 117.4630

Triad

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



78.0008, 89.3362, 107.7403



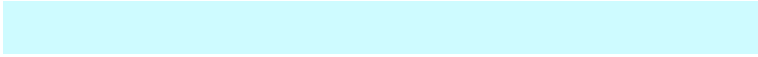
91.6963, 89.3362, 110.3913



85.4075, 89.3362, 76.3056

Complementary

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



78.0008, 89.3362, 107.7403



75.4269, 71.8084, 68.2792

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.



89.3766, 89.3362, 79.5383



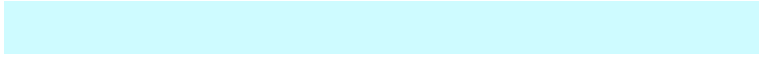
78.0008, 89.3362, 107.7403



93.0808, 89.3362, 98.6970

Square

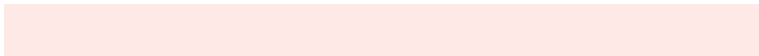
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



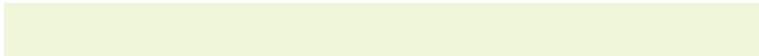
78.0008, 89.3362, 107.7403



88.4920, 89.3362, 119.0786



92.2185, 89.3362, 87.5046



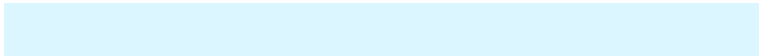
81.4287, 89.3362, 78.3046

Rectangle

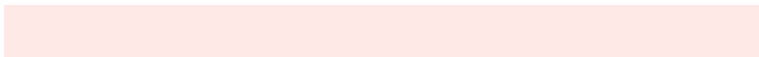
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.0008, 89.3362, 107.7403



83.0619, 89.3362, 121.0799



92.2185, 89.3362, 87.5046



86.7881, 89.3362, 76.8093

Sweetspot

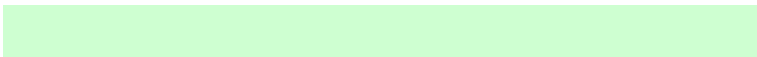
The Sweet Spot groups the original color and five complimentary colors.



78.0031, 89.3398, 107.7408



89.2467, 96.4195, 108.5148



72.7563, 89.2590, 73.8905



18.9730, 20.5573, 23.2179



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

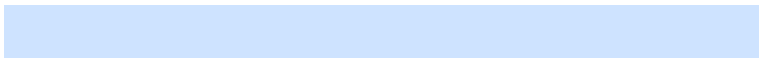
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.0031, 89.3398, 107.7408



75.1595, 87.5096, 107.5375



71.0377, 75.4089, 105.4190



18.4207, 20.2130, 23.1806



24.8896, 34.6889, 54.8184



2.4594, 3.4494, 5.3495

Inverse Universe

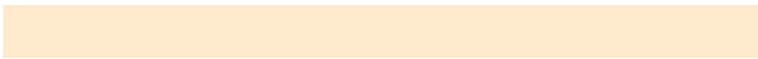
The Inverse Universe completely reimagines the original color for something new.



80.7253, 72.3693, 100.9850



78.3485, 67.8138, 99.5818



81.7377, 84.4299, 70.3828



18.7250, 18.2733, 22.4350



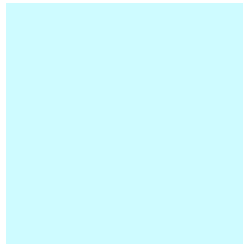
29.3513, 14.2298, 42.0962



2.8760, 1.3928, 4.1943

Previews

White Background



This preview shows how the XYZ color 78.0008, 89.3362, 107.7403 looks on a white background.

Color Contrast Check

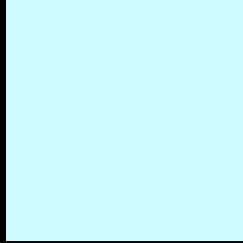
Large Text (above 18pt) WCAG AA × Fail

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 78.0008, 89.3362, 107.7403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

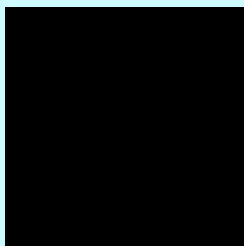
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.0008, 89.3362, 107.7403

Background



This preview shows how black text looks on a background with the XYZ color 78.0008, 89.3362, 107.7403.

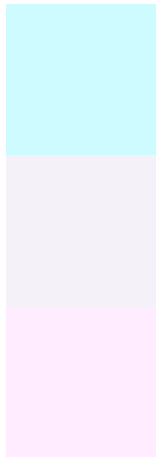


This preview shows how white text looks on a background with the XYZ color 78.0008, 89.3362,

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

78.0008, 89.3362, 107.7403

Protanopia

85.8624, 88.9832, 102.2726

Deuteranopia

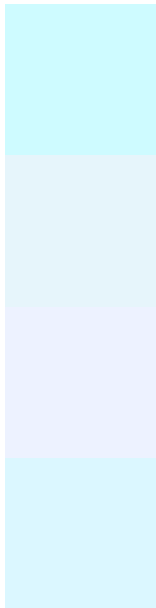
89.5742, 89.0484, 107.0747



Tritanopia

82.3810, 88.8557, 107.4167

Trichromacy



Original Color

78.0008, 89.3362, 107.7403

Protanomaly

82.6981, 89.0928, 104.1048

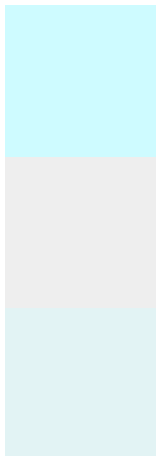
Deuteranomaly

84.7272, 88.7288, 107.2685

Tritanomaly

80.5242, 88.8016, 107.5041

Monochromacy



Original Color

78.0008, 89.3362, 107.7403

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

79.7438, 86.8016, 98.1394

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.0008, 89.3362, 107.7403 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(206, 251, 255)` looks like.

```
.text, #text, p{  
    color:rgb(206, 251, 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(206, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 251, 255) }
```

Border

The CSS property to change the border of an element to XYZ 78.0008, 89.3362, 107.7403 is called "border". The border property can be set on classes, ids or directly on the HTML element.

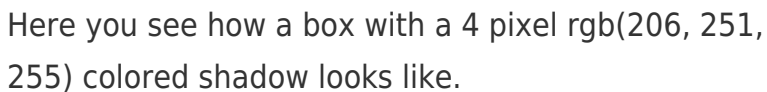
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(206, 251, 255) }
```


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

```
.border{ border-color:rgb(206, 251, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(206, 251, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(206, 251,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 78.0008, 89.3362, 107.7403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 251, 255) }
```

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

```
.background{ background-color: rgb(206,  
251, 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