

Converting Colors

XYZ(78.8201, 90.1792,
122.6791)

Have a look what the booklet for
XYZ(78.8201, 90.1792, 122.6791)
contains.

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Color

**XYZ(76.2012, 89.3409,
107.8360)**

Conversions

Conversions Part 1

Format	Color
Hex	C5FDFF
RGB	197, 253, 255
RGB Percent	77%, 99%, 100%
CMY	0.2274, 0.0078, 0.0000
CMYK	0.23, 0.01, 0.00, 0.00
HSL	182°, 100%, 89%
HSV	182°, 23%, 100%
XYZ	76.2012, 89.3409, 107.8360
YIQ	236.4840, -34.0180, -11.2500

Conversions

Conversions Part 2

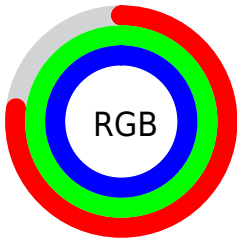
Format	Color
RYB	197, 225, 255
Decimal	12975615
CIELab	95.72, -17.07, -6.73
CIELCh	96, 18.351, 201.520
Yxy	89.3409, 0.2787, 0.3268
Android (android.graphics.Color)	4291165695 (0xFFC5FDFF)
YUV	236.4840, 9.1284, -34.6275
Hunter-Lab	94.5203, -21.5059, -1.4783

Details

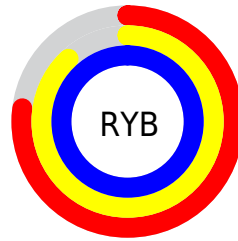
The XYZ color **76.2012, 89.3409, 107.8360** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.7412, 66.1371, 61.8095**, and the grayscale version is **80.0526, 84.2215, 91.7172**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.0883, 49.3079, 60.7779** is the 20% darker color. If you saturate the color by 10%, you get **69.8049, 85.6357, 107.4580**, and if you desaturate by 10%, it is **83.7328, 93.6380, 108.2685**.

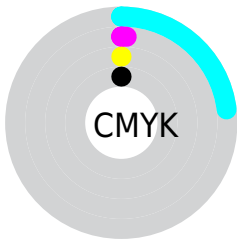
Distribution



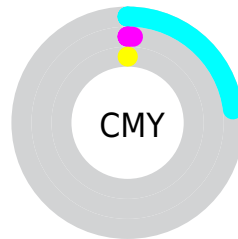
- Red (77%)
- Green (99%)
- Blue (100%)



- Red (77%)
- Yellow (88%)
- Blue (100%)



- Cyan (23%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)



- Cyan (23%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.2012, 89.3409, 107.8360 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 76.2012, 89.3409, 107.8360 by changing the saturation by 10% instead.

76.2012, 89.3409,
107.8360

76.2012, 89.3409,
107.8360

470.9700,
525.8845, 606.4939

56.8951, 67.4341,
82.2074

126.9901,
146.4225, 174.0301

41.1609, 49.4375,
60.9997

159.2037,
182.3662, 215.4328

28.6330, 34.9667,
43.7944

196.4505,
223.7576, 262.9304

18.9463, 23.6372,
30.1729

239.0958,
270.9811, 316.9417

11.7352, 15.0647,
19.7167

287.5051,
324.4212, 377.8852

6.6346, 8.8648,
12.0072

342.0436,

3.2789, 4.6531,

384.4621, 446.1794

6.6260

403.0768,
451.4885, 522.2428

■ 1.3029, 2.0452,
3.1544

■ 0.1854, 0.6335,
1.1740

■ 76.2012, 89.3409,
107.8360

■ 76.2012, 89.3409,
107.8360

■ 69.8049, 85.6357,
107.4580

■ 83.7328, 93.6380,
108.2685

■ 64.4801, 82.4824,
107.1300

■ 92.4456, 98.5435,
108.7561

■ 60.1675, 79.8528,
106.8497

■ 95.0500, 100.0000,
108.9000

■ 56.7990, 77.7118,
106.6140

■ 54.2982, 76.0200,
106.4193

■ 52.5770, 74.7320,
106.2614

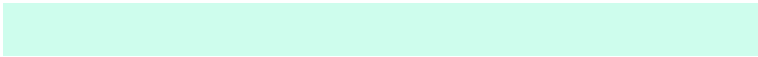
■ 51.5285, 73.7926,
106.1353

■ 51.0754, 73.2707,
106.0585

Harmonies

Analogous

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



75.6716, 89.3409, 93.2344



76.2012, 89.3409, 107.8360



79.0173, 89.3409, 120.7047

Triad

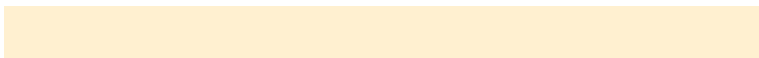
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.2012, 89.3409, 107.8360



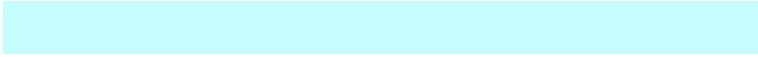
92.7442, 89.3409, 115.6227



86.3555, 89.3409, 72.2885

Complementary

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



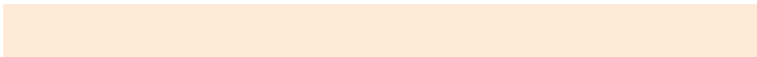
76.2012, 89.3409, 107.8360



71.7412, 66.1371, 61.8095

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.



91.1008, 89.3409, 77.0957



76.2012, 89.3409, 107.8360



94.8839, 89.3409, 101.4349

Square

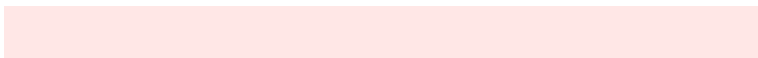
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.2012, 89.3409, 107.8360



88.5268, 89.3409, 125.5012



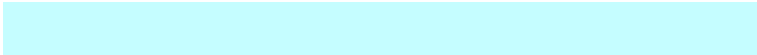
94.2708, 89.3409, 87.4309



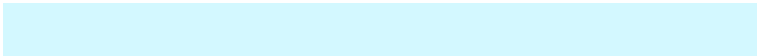
81.4044, 89.3409, 73.6374

Rectangle

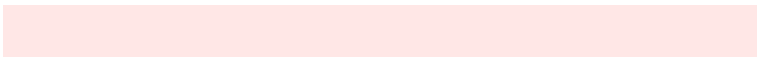
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



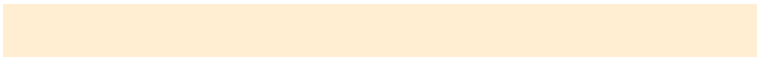
76.2012, 89.3409, 107.8360



81.8757, 89.3409, 126.0999



94.2708, 89.3409, 87.4309



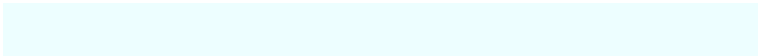
88.0303, 89.3409, 73.2193

Sweetspot

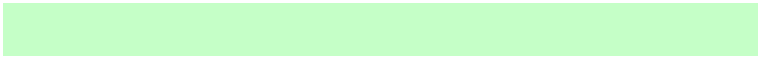
The Sweet Spot groups the original color and five complimentary colors.



76.2035, 89.3444, 107.8366



88.5896, 96.3792, 108.5416



69.0880, 87.5112, 67.2439



18.8486, 20.5654, 23.2260



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

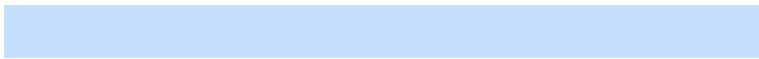
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.2035, 89.3444, 107.8366



73.3453, 87.6962, 107.6691



67.7506, 72.4386, 105.0190



18.4981, 20.3679, 23.2064



26.7118, 38.3332, 55.4258



2.6170, 3.7646, 5.4020

Inverse Universe

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



78.9373, 68.2859, 101.9528



76.5015, 63.5094, 100.8477



79.0438, 80.7422, 64.2437



18.7641, 18.2889, 22.6408



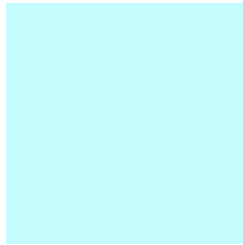
30.2711, 14.5977, 46.9395



2.9555, 1.4246, 4.6132

Previews

White Background



This preview shows how the XYZ color 76.2012, 89.3409, 107.8360 looks on a white background.

Color Contrast Check

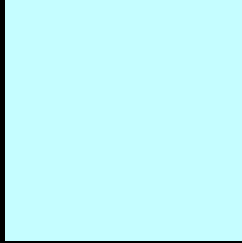
Large Text (above 18pt) WCAG AA × Fail

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 76.2012, 89.3409, 107.8360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

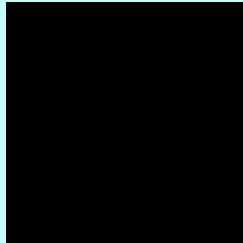
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.2012, 89.3409, 107.8360

Background



This preview shows how black text looks on a background with the XYZ color 76.2012, 89.3409, 107.8360.

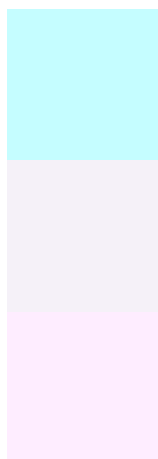


This preview shows how white text looks on a background with the XYZ color 76.2012, 89.3409,

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

76.2012, 89.3409, 107.8360

Protanopia

86.0548, 89.1004, 101.4695

Deuteranopia

89.2072, 88.8592, 107.0576



Tritanopia

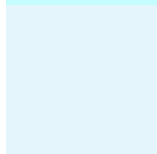
82.0571, 89.1391, 107.4884

Trichromacy



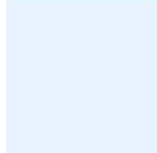
Original Color

76.2012, 89.3409, 107.8360



Protanomaly

82.0599, 88.7638, 104.0749



Deuteranomaly

83.7049, 88.6448, 107.3062



Tritanomaly

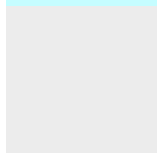
79.9500, 89.4184, 107.6534

Monochromacy



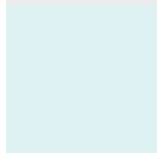
Original Color

76.2012, 89.3409, 107.8360



Achromatopsia

79.7278, 83.8799, 91.3452



Achromatomaly

78.0540, 85.5049, 97.1842

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.2012, 89.3409, 107.8360 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(197, 253, 255)` looks like.

```
.text, #text, p{  
    color:rgb(197, 253, 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(197, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 253, 255) }
```

Border

The CSS property to change the border of an element to XYZ 76.2012, 89.3409, 107.8360 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(197, 253, 255) }
```


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

```
.border{ border-color:rgb(197, 253, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 253, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 253, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 253, 255);  
box-shadow:4px 4px 4px 4px rgb(197, 253,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 76.2012, 89.3409, 107.8360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 253, 255) }
```

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

```
.background{ background-color: rgb(197,  
253, 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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