

Converting Colors

XYZ(75.8189, 86.8558,
102.7964)

Have a look what the booklet for
XYZ(75.8189, 86.8558, 102.7964)
contains.

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Color

**XYZ(75.8431, 86.9535,
102.4089)**

Conversions

Conversions Part 1

Format	Color
Hex	CDF8F9
RGB	205, 248, 249
RGB Percent	80%, 97%, 98%
CMY	0.1961, 0.0274, 0.0235
CMYK	0.18, 0.00, 0.00, 0.02
HSL	181°, 79%, 89%
HSV	181°, 18%, 98%
XYZ	75.8431, 86.9535, 102.4089
YIQ	235.2570, -25.9490, -8.8050

Conversions

Conversions Part 2

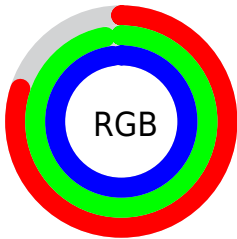
Format	Color
R _{YB}	205, 227, 249
Decimal	13498617
CIE _{Lab}	94.72, -13.47, -5.06
CIE _{LCh}	95, 14.391, 200.588
Y _{xy}	86.9535, 0.2860, 0.3279
Android (android.graphics.Color)	4291688697 (0xFFCDF8F9)
YUV	235.2570, 6.7753, -26.5354
Hunter-Lab	93.2489, -18.0042, 0.1600

Details

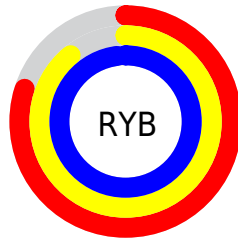
The XYZ color **75.8431, 86.9535, 102.4089** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.1583, 68.6901, 67.2145**, and the grayscale version is **79.1276, 83.2484, 90.6575**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.0530, 48.0336, 57.5598** is the 20% darker color. If you saturate the color by 10%, you get **69.3412, 83.3469, 102.0568**, and if you desaturate by 10%, it is **83.4437, 91.1318, 102.8162**.

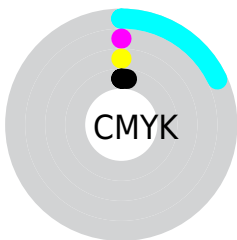
Distribution



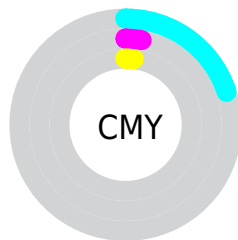
- Red (80%)
- Green (97%)
- Blue (98%)



- Red (80%)
- Yellow (89%)
- Blue (98%)



- Cyan (18%)
- Magenta (0%)
- Yellow (0%)
- Black (2%)



- Cyan (20%)
- Magenta (3%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.8431, 86.9535, 102.4089 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 75.8431, 86.9535, 102.4089 by changing the saturation by 10% instead.

75.8431, 86.9535,
102.4089

75.8431, 86.9535,
102.4089

469.7631,
518.0701, 589.2010

56.6005, 65.4567,
77.6858

126.4866,
143.0993, 166.5443

40.9234, 47.8315,
57.3010

158.6182,
178.5172, 206.7937

28.4467, 33.6935,
40.8360

195.7769,
219.3442, 253.0555

18.8048, 22.6582,
27.8722

238.3279,
265.9647, 305.7484

11.6325, 14.3413,
17.9911

286.6367,
318.7631, 365.2908

6.5644, 8.3585,
10.7742

341.0686,

3.2351, 4.3252,

378.1239, 432.1014

5.8030

401.9889,
444.4314, 506.5986

■ 1.2793, 1.8571,
2.6588

■ 0.1676, 0.5224,
0.9226

■ 75.8431, 86.9535,
102.4089

■ 75.8431, 86.9535,
102.4089

■ 69.3412, 83.3469,
102.0568

■ 83.4437, 91.1318,
102.8162

■ 63.8787, 80.2746,
101.7517

■ 92.1835, 95.8960,
103.2751

■ 59.4025, 77.7115,
101.4929

■ 92.4307, 96.2828,
103.3368

■ 55.8516, 75.6263,
101.2776

■ 92.6060, 96.6333,
103.3952

■ 53.1583, 73.9839,
101.1025

■ 92.7817, 96.9848,
103.4538

■ 51.2457, 72.7447,
100.9642

■ 92.9580, 97.3374,
103.5125

■ 50.0231, 71.8620,
100.8582

■ 93.1349, 97.6911,
103.5715

■ 49.3701, 71.2738,
100.7791

■ 93.3122, 98.0458,
103.6306

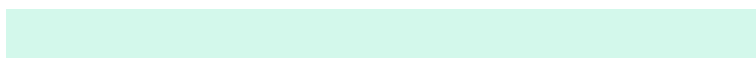
■ 49.2581, 71.1575,
100.7626

■ 93.4901, 98.4015,
103.6899

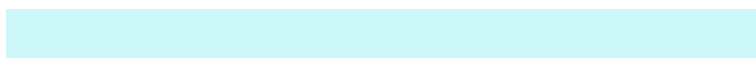
Harmonies

Analogous

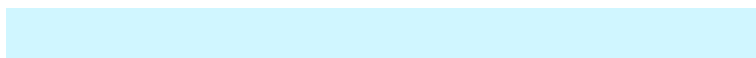
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.4877, 86.9535, 91.2189



75.8431, 86.9535, 102.4089



77.9900, 86.9535, 112.2038

Triad

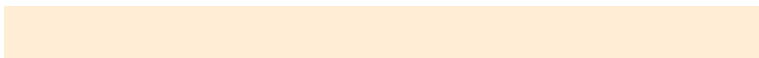
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.8431, 86.9535, 102.4089



88.5590, 86.9535, 108.9337



83.8754, 86.9535, 75.0849

Complementary

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



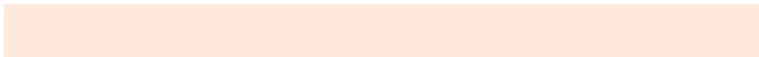
75.8431, 86.9535, 102.4089



72.1583, 68.6901, 67.2145

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.



87.4851, 86.9535, 79.0786



75.8431, 86.9535, 102.4089



90.2445, 86.9535, 98.2226

Square

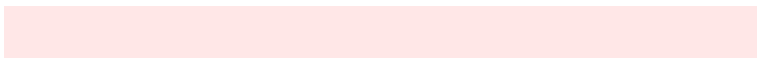
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.8431, 86.9535, 102.4089



85.3039, 86.9535, 116.1711



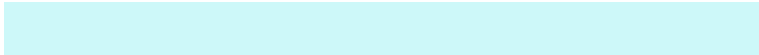
89.8455, 86.9535, 87.3455



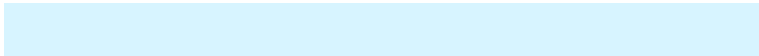
80.0452, 86.9535, 76.0135

Rectangle

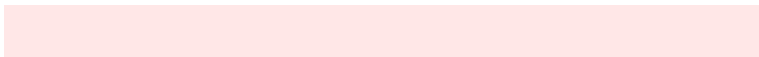
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



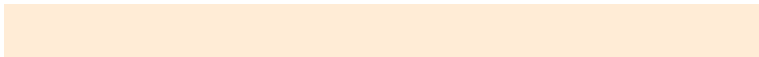
75.8431, 86.9535, 102.4089



80.1865, 86.9535, 116.3436



89.8455, 86.9535, 87.3455



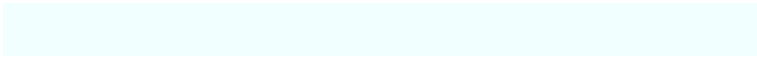
85.1566, 86.9535, 75.8836

Sweetspot

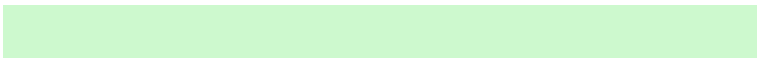
The Sweet Spot groups the original color and five complimentary colors.



75.8456, 86.9571, 102.4109



90.4218, 97.4774, 108.6570



70.1622, 85.1753, 70.9669



19.2200, 20.7910, 23.2500



0.0000, 0.0000, 0.0000



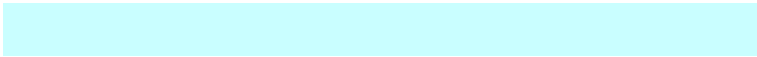
20.3446, 21.4041, 23.3091

Same Dimension

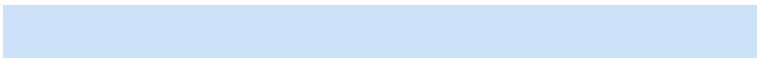
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.8456, 86.9571, 102.4109



77.6328, 90.4485, 107.9744



69.5461, 74.3581, 100.3110



17.7301, 19.5371, 22.2219



26.3818, 38.1192, 53.9408



2.4538, 3.5513, 4.9993

Inverse Universe

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



77.8435, 70.5815, 98.3319



80.0870, 70.3855, 102.9519



77.7579, 79.8893, 69.0810



17.9751, 17.5174, 21.7245



29.6084, 14.2591, 46.7735



2.7475, 1.3227, 4.3597

Previews

White Background



This preview shows how the XYZ color 75.8431, 86.9535, 102.4089 looks on a white background.

Color Contrast Check

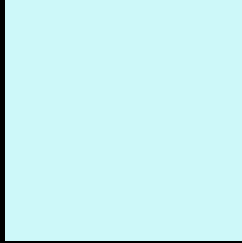
Large Text (above 18pt) WCAG AA × Fail

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 75.8431, 86.9535, 102.4089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

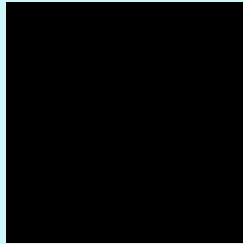
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 75.8431, 86.9535, 102.4089

Background



This preview shows how black text looks on a background with the XYZ color 75.8431, 86.9535, 102.4089.

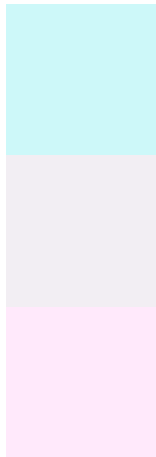


This preview shows how white text looks on a background with the XYZ color 75.8431, 86.9535,

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

75.8431, 86.9535, 102.4089

Protanopia

83.3701, 86.4974, 97.0956

Deuteranopia

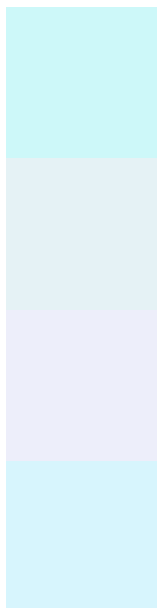
87.7915, 86.5029, 103.3364



Tritanopia

79.9194, 86.6933, 107.1290

Trichromacy



Original Color

75.8431, 86.9535, 102.4089

Protanomaly

80.5467, 86.7548, 98.8863

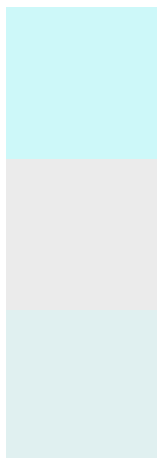
Deuteranomaly

82.7549, 86.0557, 102.6912

Tritanomaly

78.4064, 86.8437, 105.5586

Monochromacy



Original Color

75.8431, 86.9535, 102.4089

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

77.6287, 84.4587, 94.6488

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.8431, 86.9535, 102.4089 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(205, 248, 249)` looks like.

```
.text, #text, p{  
    color:rgb(205, 248, 249)  
}
```

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(205, 248, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 248, 249) }
```

Border

The CSS property to change the border of an element to XYZ 75.8431, 86.9535, 102.4089 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(205, 248, 249) }
```


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

```
.border{ border-color:rgb(205, 248, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 248, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 248, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 248, 249);  
box-shadow:4px 4px 4px 4px rgb(205, 248,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 75.8431, 86.9535, 102.4089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 248, 249) }
```

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

```
.background{ background-color: rgb(205,  
248, 249) }
```

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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