

# Converting Colors

XYZ(75.5624, 86.1768,  
103.1472)

Have a look what the booklet for  
XYZ(75.5624, 86.1768, 103.1472)  
contains.

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# Color

**XYZ(75.6929, 86.4028,  
103.1304)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CDF7FA
RGB	205, 247, 250
RGB Percent	80%, 97%, 98%
CMY	0.1961, 0.0314, 0.0196
CMYK	0.18, 0.01, 0.00, 0.02
HSL	184°, 82%, 89%
HSV	184°, 18%, 98%
XYZ	75.6929, 86.4028, 103.1304
YIQ	234.7840, -25.9950, -7.9710

# Conversions

## Conversions Part 2

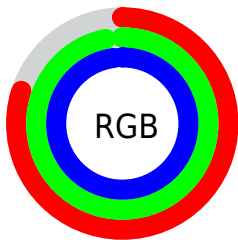
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	205, 227, 250
Decimal	13498362
CIE Lab	94.48, -12.77, -5.92
CIE LCh	94, 14.076, 204.887
Yxy	86.4028, 0.2854, 0.3258
Android (android.graphics.Color)	4291688442 (0xFFCDF7FA)
YUV	234.7840, 7.5015, -26.1206
Hunter-Lab	92.9531, -17.3131, -0.7144

# Details

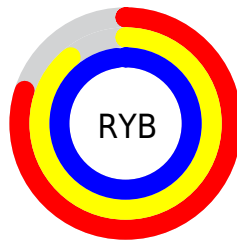
The XYZ color **75.6929, 86.4028, 103.1304** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.0003, 69.8435, 67.3928**, and the grayscale version is **78.7623, 82.8641, 90.2390**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.9461, 47.6407, 58.0764** is the 20% darker color. If you saturate the color by 10%, you get **68.8340, 82.1167, 102.6660**, and if you desaturate by 10%, it is **83.6633, 91.2731, 103.6518**.

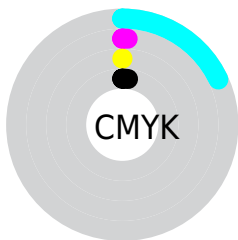
# Distribution



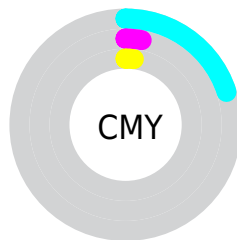
- Red (80%)
- Green (97%)
- Blue (98%)



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



- Cyan (18%)
- Magenta (1%)
- Yellow (0%)
- Black (2%)



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.6929, 86.4028, 103.1304 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 75.6929, 86.4028, 103.1304 by changing the saturation by 10% instead.



75.6929, 86.4028,  
103.1304

75.6929, 86.4028,  
103.1304

469.2564,  
516.2585, 591.5153

56.4769, 65.0011,  
78.2860

126.2754,  
142.3315, 167.5417

40.8239, 47.4620,  
57.7911

158.3726,  
177.6272, 207.9458

28.3686, 33.4010,  
41.2272

195.4942,  
218.3231, 254.3734

18.7456, 22.4338,  
28.1756

238.0056,  
264.8035, 307.2433

11.5895, 14.1760,  
18.2179

286.2722,  
317.4529, 366.9739

6.5350, 8.2432,  
10.9355

340.6593,

3.2168, 4.2510,

376.6555, 433.9837

5.9098

401.5322,  
442.7959, 508.6913

■ 1.2694, 1.8149,  
2.7224

■ 0.1601, 0.4964,  
0.9547

■ 75.6929, 86.4028,  
103.1304

■ 75.6929, 86.4028,  
103.1304

■ 68.8340, 82.1167,  
102.6660

■ 83.6633, 91.2731,  
103.6518

■ 63.0267, 78.3773,  
102.2503

■ 92.7853, 96.7416,  
104.2265

■ 58.2171, 75.1588,  
101.8826

■ 93.3058, 97.7827,  
104.4000

■ 54.3435, 72.4296,  
101.5599

■ 93.8309, 98.8329,  
104.5751

■ 51.3372, 70.1542,  
101.2792

■ 94.2556, 99.6822,  
104.7166

■ 49.1201, 68.2923,  
101.0367

■ 47.6001, 66.7964,  
100.8280

■ 46.6519, 65.6019,  
100.6475

■ 46.4947, 65.3805,  
100.6130

# Harmonies

## Analogous

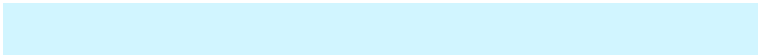
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.0815, 86.4028, 92.2316



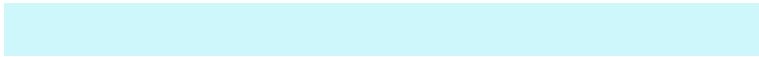
75.6929, 86.4028, 103.1304



78.0055, 86.4028, 112.1902

# Triad

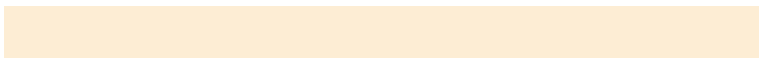
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.6929, 86.4028, 103.1304



88.2254, 86.4028, 106.5909



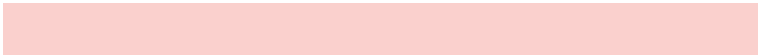
82.7739, 86.4028, 74.7968

# Complementary

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



75.6929, 86.4028, 103.1304



73.0003, 69.8435, 67.3928

# 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.



86.3835, 86.4028, 78.0282



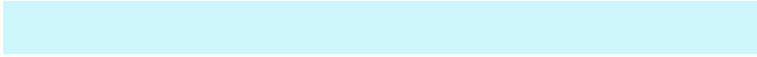
75.6929, 86.4028, 103.1304



89.5921, 86.4028, 95.9488

# Square

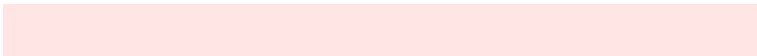
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.6929, 86.4028, 103.1304



85.2261, 86.4028, 114.2933



88.9079, 86.4028, 85.5714

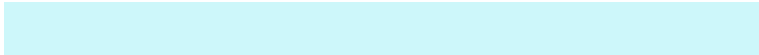


79.0967, 86.4028, 76.3990

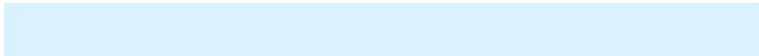


# Rectangle

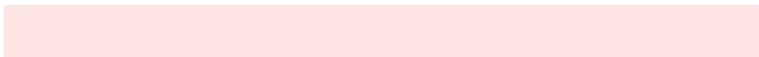
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



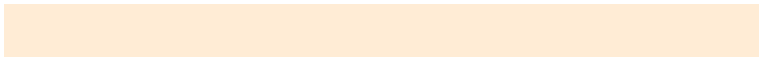
75.6929, 86.4028, 103.1304



80.2393, 86.4028, 115.6827



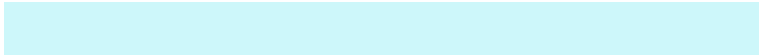
88.9079, 86.4028, 85.5714



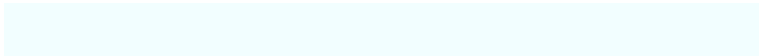
84.0365, 86.4028, 75.3459

# Sweetspot

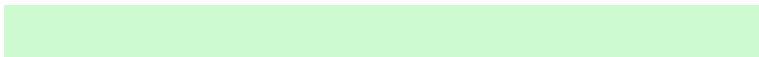
The Sweet Spot groups the original color and five complimentary colors.



75.6954, 86.4064, 103.1323



90.2436, 97.1210, 108.5976



70.6570, 85.8691, 72.0438



19.1765, 20.7040, 23.2355



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

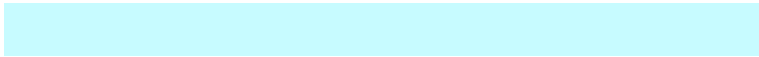


# Same Dimension

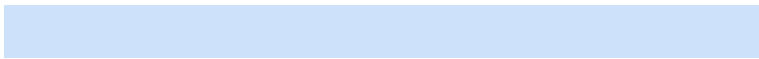
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.6954, 86.4064, 103.1323



76.1564, 88.5080, 107.6776



69.4265, 73.8686, 101.0427



17.6611, 19.3989, 22.1988



24.7044, 34.7644, 53.3817



2.3170, 3.2777, 4.9537



# Inverse Universe

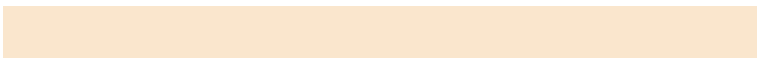
The Inverse Universe completely reimagines the original color for something new.



78.0461, 70.7038, 97.5335



79.0947, 69.0426, 100.6431



78.6725, 81.1879, 69.2835



17.9402, 17.5034, 21.5409



28.7617, 13.9204, 42.3150

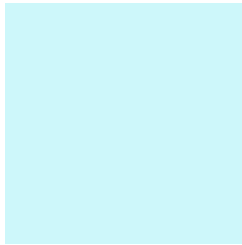


2.6784, 1.2951, 3.9960



# Previews

## White Background



This preview shows how the XYZ color 75.6929, 86.4028, 103.1304 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

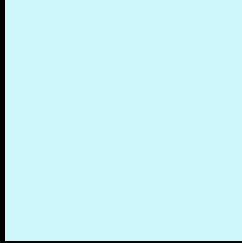
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.6929, 86.4028, 103.1304 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

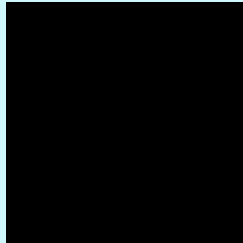
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 75.6929, 86.4028, 103.1304

## Background



This preview shows how black text looks on a background with the XYZ color 75.6929, 86.4028, 103.1304.



This preview shows how white text looks on a background with the XYZ color 75.6929, 86.4028,



# 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

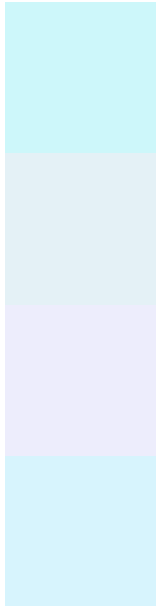




## Tritanopia

79.3173, 85.9399, 107.0153

# Trichromacy



## Original Color

75.6929, 86.4028, 103.1304

## Protanomaly

80.0848, 86.0584, 99.5788

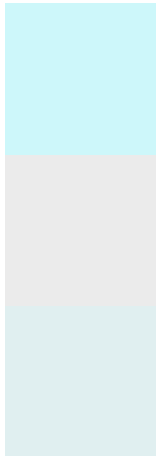
## Deuteranomaly

82.7799, 85.6012, 104.2552

## Tritanomaly

78.1046, 86.2403, 105.4580

# Monochromacy



## Original Color

75.6929, 86.4028, 103.1304

## Achromatopsia

78.9647, 83.0770, 90.4708

## Achromatomaly

77.3351, 83.8716, 94.5509

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.6929, 86.4028, 103.1304 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, 247, 250)` looks like.

```
.text, #text, p{  
    color:rgb(205, 247, 250)  
}
```

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, 247, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 247, 250) }
```

## Border

The CSS property to change the border of an element to XYZ 75.6929, 86.4028, 103.1304 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, 247, 250) }
```



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

```
.border{ border-color:rgb(205, 247, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 247, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 247, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 247, 250);  
box-shadow:4px 4px 4px 4px rgb(205, 247,  
250) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.6929, 86.4028, 103.1304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 247, 250) }
```

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

```
.background{ background-color: rgb(205,  
247, 250) }
```

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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