

# Converting Colors

XYZ(76.5813, 86.7316,  
107.3124)

Have a look what the booklet for  
XYZ(76.5813, 86.7316, 107.3124)  
contains.

<b>XYZ(76.4876, 86.7207, 107.3152)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(76.4876, 86.7207,  
107.3152)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CDF7FF
RGB	205, 247, 255
RGB Percent	80%, 97%, 100%
CMY	0.1961, 0.0314, 0.0000
CMYK	0.20, 0.03, 0.00, 0.00
HSL	190°, 100%, 90%
HSV	190°, 20%, 100%
XYZ	76.4876, 86.7207, 107.3152
YIQ	235.3540, -27.6000, -6.4160

# Conversions

## Conversions Part 2

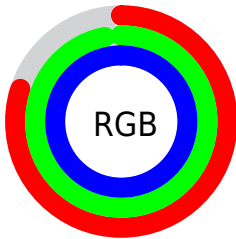
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	205, 228, 255
Decimal	13498367
CIE Lab	94.62, -11.74, -8.31
CIE LCh	95, 14.381, 215.308
Yxy	86.7207, 0.2827, 0.3206
Android (android.graphics.Color)	4291688447 (0xFFCDF7FF)
YUV	235.3540, 9.6855, -26.6205
Hunter-Lab	93.1239, -16.3555, -3.1385

# Details

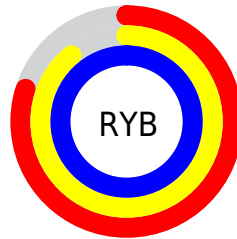
The XYZ color **76.4876, 86.7207, 107.3152** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.0534, 73.2552, 67.8905**, and the grayscale version is **79.1808, 83.3044, 90.7185**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.4015, 47.8229, 60.4747** is the 20% darker color. If you saturate the color by 10%, you get **68.7857, 80.9215, 106.6018**, and if you desaturate by 10%, it is **85.3677, 93.1723, 108.0924**.

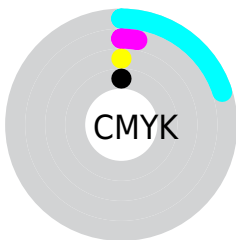
# Distribution



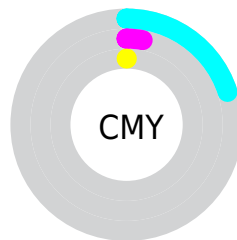
- Red (80%)
- Green (97%)
- Blue (100%)



- Red (80%)
- Yellow (89%)
- Blue (100%)



- Cyan (20%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (3%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.4876, 86.7207, 107.3152 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 76.4876, 86.7207, 107.3152 by changing the saturation by 10% instead.



76.4876, 86.7207,  
107.3152

76.4876, 86.7207,  
107.3152

471.9340,  
517.3047, 604.8457

57.1309, 65.2641,  
81.7728

127.3926,  
142.7748, 173.3134

41.3509, 47.6753,  
60.6436

159.6716,  
178.1410, 214.6064

28.7822, 33.5698,  
43.5089

196.9888,  
218.9127, 261.9866

19.0596, 22.5633,  
29.9503

239.7094,  
265.4740, 315.8726

11.8176, 14.2714,  
19.5491

288.1989,  
318.2095, 376.6830

6.6909, 8.3097,  
11.8869

342.8226,

3.3142, 4.2937,

377.5035, 444.8363

6.5451

403.9458,  
443.7404, 520.7510

■ 1.3220, 1.8392,  
3.1052

■ 0.1996, 0.5114,  
1.1486

■ 76.4876, 86.7207,  
107.3152

■ 76.4876, 86.7207,  
107.3152

■ 68.7857, 80.9215,  
106.6018

■ 85.3677, 93.1723,  
108.0924

■ 62.1995, 75.7354,  
105.9479

95.0500, 100.0000,  
108.9000

■ 56.6710, 71.1346,  
105.3512

■ 52.1343, 67.0847,  
104.8086

■ 48.5157, 63.5476,  
104.3166

■ 45.7311, 60.4797,  
103.8712

■ 43.6803, 57.8289,  
103.4676

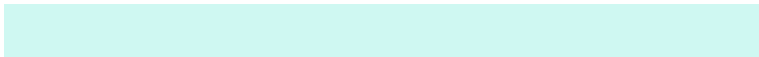
■ 42.2065, 55.5143,  
103.0986

■ 42.1533, 55.4265,  
103.0844

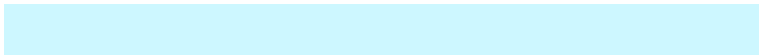
# Harmonies

## Analogous

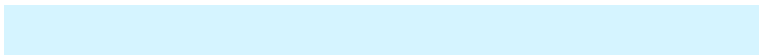
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.2199, 86.7207, 96.4137



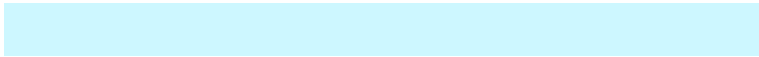
76.4876, 86.7207, 107.3152



79.3488, 86.7207, 115.1908

# Triad

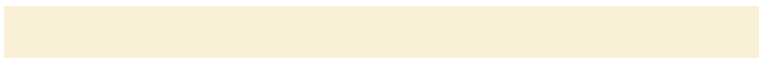
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.4876, 86.7207, 107.3152



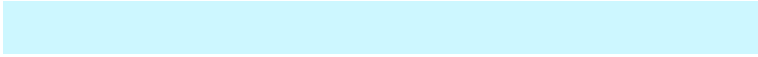
89.3891, 86.7207, 103.6312



81.7375, 86.7207, 74.7127

# Complementary

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



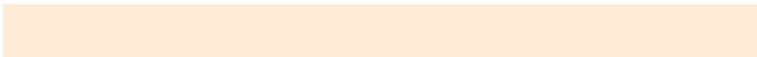
76.4876, 86.7207, 107.3152



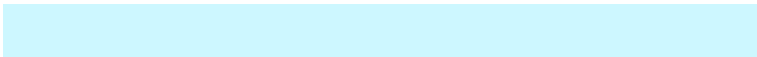
76.0534, 73.2552, 67.8905

# 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.



85.5805, 86.7207, 76.3165



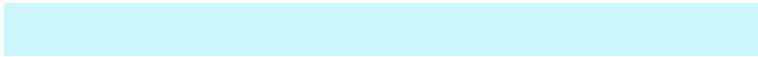
76.4876, 86.7207, 107.3152



90.0770, 86.7207, 92.4620

# Square

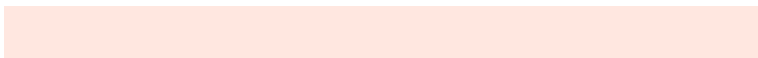
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.4876, 86.7207, 107.3152



86.8116, 86.7207, 112.9497



88.6629, 86.7207, 82.6090

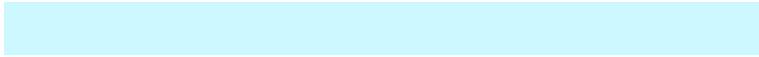


78.1895, 86.7207, 78.0437

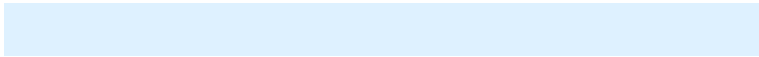


# Rectangle

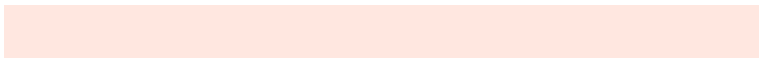
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



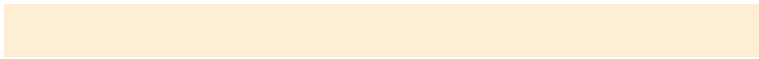
76.4876, 86.7207, 107.3152



81.8168, 86.7207, 117.3523



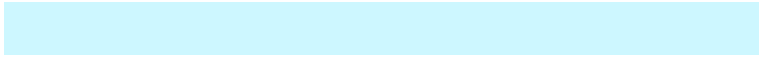
88.6629, 86.7207, 82.6090



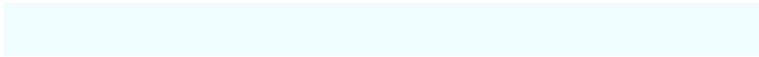
83.0371, 86.7207, 74.6956

# Sweetspot

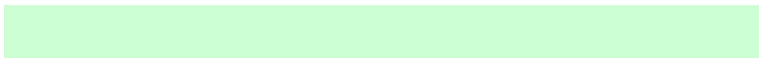
The Sweet Spot groups the original color and five complimentary colors.



76.4899, 86.7241, 107.3157



88.8679, 95.6617, 108.3885



72.8847, 89.2784, 76.0110



18.8832, 20.3777, 23.1880



0.0000, 0.0000, 0.0000

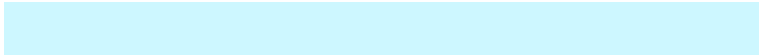


20.3446, 21.4041, 23.3091

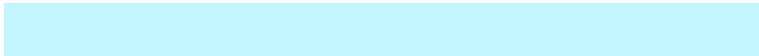


# Same Dimension

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



76.4899, 86.7241, 107.3157



72.9639, 84.0971, 106.9945



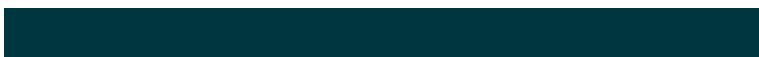
69.4823, 72.7090, 104.9799



18.2930, 19.9576, 23.1380



22.1184, 29.1464, 53.8946



2.2169, 2.9645, 5.2686



# Inverse Universe

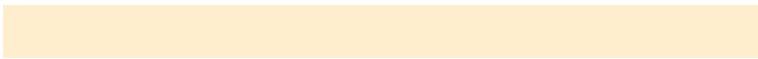
The Inverse Universe completely reimagines the original color for something new.



79.8612, 71.6396, 97.6185



77.0014, 66.3602, 95.3078



82.6892, 86.5268, 70.1024



18.6605, 18.2475, 22.0955



27.9526, 13.6703, 34.7302

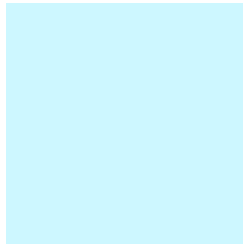


2.7536, 1.3438, 3.5499



# Previews

## White Background



This preview shows how the XYZ color 76.4876, 86.7207, 107.3152 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

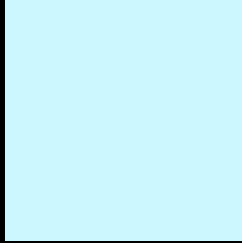
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.4876, 86.7207, 107.3152 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

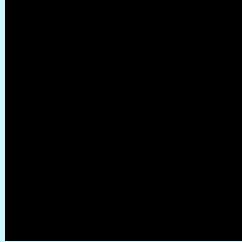
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 76.4876, 86.7207, 107.3152

## Background



This preview shows how black text looks on a background with the XYZ color 76.4876, 86.7207, 107.3152.



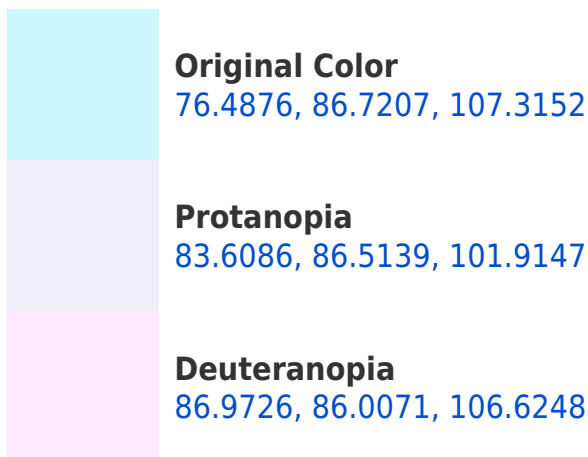
This preview shows how white text looks on a background with the XYZ color 76.4876, 86.7207,



# 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

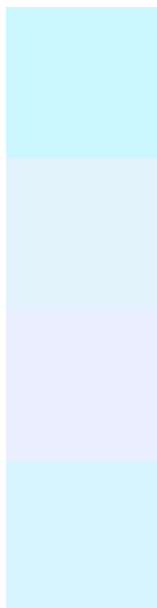




## Tritanopia

79.6158, 86.5368, 107.1148

# Trichromacy



## Original Color

76.4876, 86.7207, 107.3152

## Protanomaly

80.5464, 86.2065, 103.6611

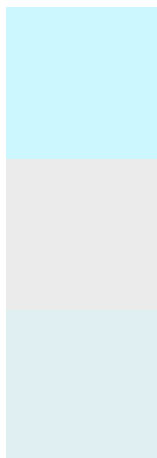
## Deuteranomaly

82.5562, 85.8615, 106.8295

## Tritanomaly

78.4250, 86.3684, 107.1451

# Monochromacy



## Original Color

76.4876, 86.7207, 107.3152

## Achromatopsia

78.9647, 83.0770, 90.4708

## Achromatomaly

77.6340, 83.9911, 96.1246

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.4876, 86.7207, 107.3152 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, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 247, 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(205, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 247, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 76.4876, 86.7207, 107.3152 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, 255) }
```



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

```
.border{ border-color:rgb(205, 247, 255) }
```

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, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(205, 247,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.4876, 86.7207, 107.3152 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, 255) }
```

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

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