

# Converting Colors

XYZ(77.0591, 87.9303,  
104.3345)

Have a look what the booklet for  
XYZ(77.0591, 87.9303, 104.3345)  
contains.

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# Color

**XYZ(77.0204, 87.9818,  
104.1896)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFF9FB
RGB	207, 249, 251
RGB Percent	81%, 98%, 98%
CMY	0.1882, 0.0235, 0.0157
CMYK	0.18, 0.01, 0.00, 0.02
HSL	183°, 85%, 90%
HSV	183°, 18%, 98%
XYZ	77.0204, 87.9818, 104.1896
YIQ	236.6700, -25.6740, -8.2820

# Conversions

## Conversions Part 2

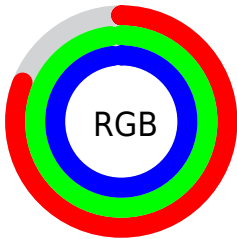
Format	Color
<b>R<sub>YB</sub></b>	207, 228, 251
Decimal	13629947
CIE <sub>Lab</sub>	95.15, -12.96, -5.44
CIE <sub>LCh</sub>	95, 14.055, 202.774
Yxy	87.9818, 0.2861, 0.3268
Android (android.graphics.Color)	4291820027 (0xFFCFF9FB)
YUV	236.6700, 7.0647, -26.0206
Hunter-Lab	93.7986, -17.5767, -0.1991

# Details

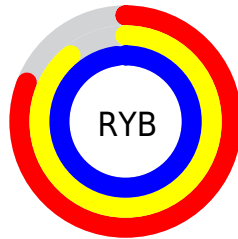
The XYZ color **77.0204, 87.9818, 104.1896** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.8473, 70.6152, 68.7710**, and the grayscale version is **80.2062, 84.3832, 91.8933**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8692, 48.7555, 58.8338** is the 20% darker color. If you saturate the color by 10%, you get **70.2075, 83.9508, 103.7720**, and if you desaturate by 10%, it is **84.9553, 92.5990, 104.6640**.

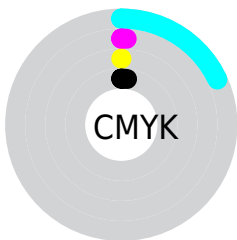
# Distribution



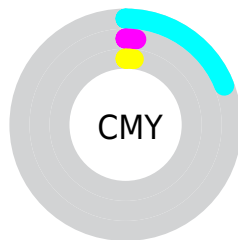
- Red (81%)
- Green (98%)
- Blue (98%)



- Red (81%)
- Yellow (89%)
- Blue (98%)



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.0204, 87.9818, 104.1896 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 77.0204, 87.9818, 104.1896 by changing the saturation by 10% instead.



77.0204, 87.9818,  
104.1896

77.0204, 87.9818,  
104.1896

473.7245,  
521.4436, 594.9040

57.5696, 66.3080,  
79.1677

128.1410,  
144.5318, 169.0047

41.7046, 48.5225,  
58.5116

160.5414,  
180.1768, 209.6351

29.0602, 34.2408,  
41.8027

197.9892,  
221.2477, 256.3053

19.2709, 23.0787,  
28.6224

240.8496,  
268.1288, 309.4340

11.9713, 14.6516,  
18.5522

289.4879,  
321.2045, 369.4397

6.7962, 8.5752,  
11.1737

344.2696,

3.3802, 4.4652,

380.8593, 436.7409

6.0681

405.5600,  
447.4776, 511.7562

■ 1.3579, 1.9370,  
2.8171

■ 0.2259, 0.5705,  
1.0020

■ 77.0204, 87.9818,  
104.1896

■ 77.0204, 87.9818,  
104.1896

■ 70.2075, 83.9508,  
103.7720

■ 84.9553, 92.5990,  
104.6640

■ 64.4563, 80.4681,  
103.4029

■ 93.2386, 97.3966,  
105.1535

■ 59.7126, 77.5079,  
103.0816

■ 93.5960, 98.1114,  
105.2726

■ 55.9145, 75.0382,  
102.8051

■ 93.9556, 98.8306,  
105.3925

■ 52.9928, 73.0236,  
102.5702

■ 94.3173, 99.5540,  
105.5130

■ 50.8693, 71.4236,  
102.3733

■ 94.4129, 99.7451,  
105.5449

■ 49.4518, 70.1906,  
102.2100

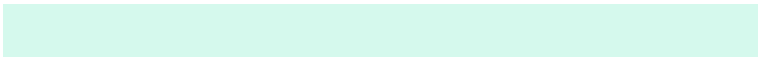
■ 48.6190, 69.2623,  
102.0747

■ 48.4587, 69.0568,  
102.0435

# Harmonies

## Analogous

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



76.5336, 87.9818, 93.1705



77.0204, 87.9818, 104.1896



79.2505, 87.9818, 113.5785

# Triad

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



77.0204, 87.9818, 104.1896



89.6219, 87.9818, 109.1217



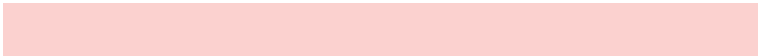
84.5532, 87.9818, 76.3725

# Complementary

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



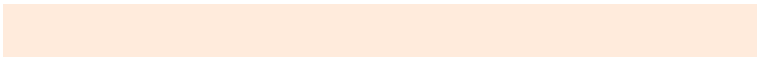
77.0204, 87.9818, 104.1896



73.8473, 70.6152, 68.7710

# 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.



88.1556, 87.9818, 79.9760



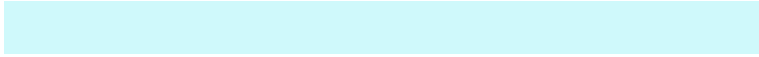
77.0204, 87.9818, 104.1896



91.1394, 87.9818, 98.4729

# Square

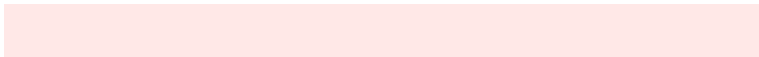
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.0204, 87.9818, 104.1896



86.5053, 87.9818, 116.5742



90.5948, 87.9818, 87.8681

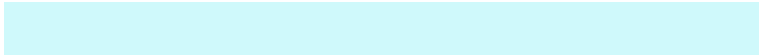


80.8075, 87.9818, 77.6484

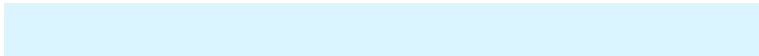


# Rectangle

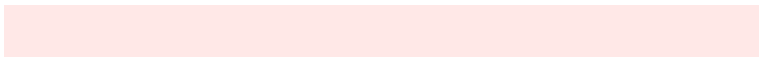
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



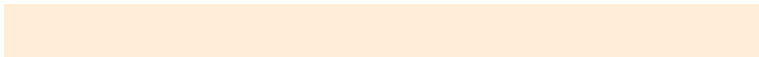
77.0204, 87.9818, 104.1896



81.4635, 87.9818, 117.3713



90.5948, 87.9818, 87.8681



85.8224, 87.9818, 77.0434

# Sweetspot

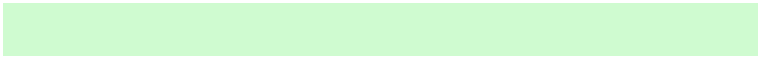
The Sweet Spot groups the original color and five complimentary colors.



77.0230, 87.9854, 104.1916



90.3295, 97.2929, 108.6263



71.6736, 86.8384, 72.9615



19.1975, 20.7460, 23.2425



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

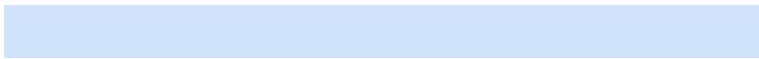
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.0230, 87.9854, 104.1916



77.2482, 89.6793, 107.8462



70.7615, 75.4625, 102.1044



17.6944, 19.4655, 22.2099



25.5017, 36.3589, 53.6475



2.3822, 3.4080, 4.9754



# Inverse Universe

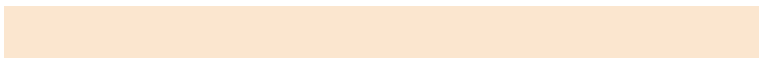
The Inverse Universe completely reimagines the original color for something new.



79.1974, 71.9763, 99.3454



79.8929, 70.3079, 101.9297



79.4745, 81.8696, 70.6468



17.9570, 17.5102, 21.6294



29.1641, 14.0814, 44.4340

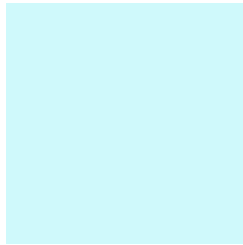


2.7113, 1.3083, 4.1692



# Previews

## White Background



This preview shows how the XYZ color 77.0204, 87.9818, 104.1896 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

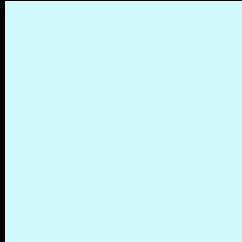
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.0204, 87.9818, 104.1896 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 77.0204, 87.9818, 104.1896

## Background



This preview shows how black text looks on a background with the XYZ color 77.0204, 87.9818, 104.1896.



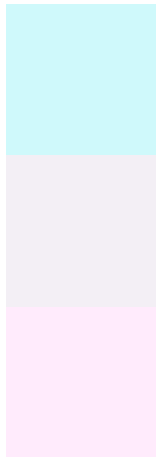
This preview shows how white text looks on a background with the XYZ color 77.0204, 87.9818,



# 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

77.0204, 87.9818, 104.1896

### Protanopia

84.3101, 87.3803, 98.8087

### Deuteranopia

88.5190, 87.7049, 104.3588



## Tritanopia

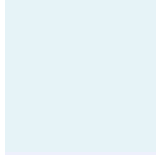
81.1412, 87.7687, 107.2722

# Trichromacy



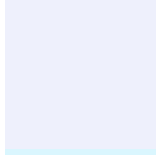
## Original Color

77.0204, 87.9818, 104.1896



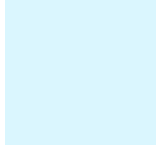
## Protanomaly

81.4722, 87.6396, 100.6178



## Deuteranomaly

83.9907, 87.5256, 104.5628



## Tritanomaly

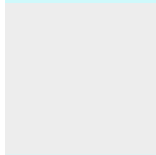
79.7586, 87.9727, 106.5426

# Monochromacy



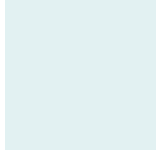
## Original Color

77.0204, 87.9818, 104.1896



## Achromatopsia

80.4953, 84.6873, 92.2245



## Achromatomaly

78.8463, 85.4901, 96.3500

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.0204, 87.9818, 104.1896 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(207, 249, 251)` looks like.

```
.text, #text, p{  
    color:rgb(207, 249, 251)  
}
```

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(207, 249, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 249, 251) }
```

## Border

The CSS property to change the border of an element to XYZ 77.0204, 87.9818, 104.1896 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".

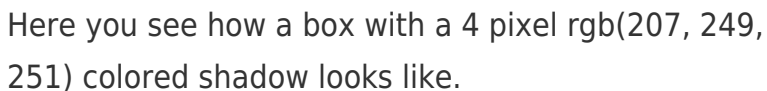
```
.border, #border, table{ border:4px solid rgb(207, 249, 251) }
```



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

```
.border{ border-color:rgb(207, 249, 251) }
```

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



Here you see how a box with a 4 pixel `rgb(207, 249, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 249, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 249, 251);  
box-shadow:4px 4px 4px 4px rgb(207, 249,  
251) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.0204, 87.9818, 104.1896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 249, 251) }
```

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

```
.background{ background-color: rgb(207,  
249, 251) }
```

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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