

# Converting Colors

XYZ(77.4158, 90.0078,  
106.7861)

Have a look what the booklet for  
XYZ(77.4158, 90.0078, 106.7861)  
contains.

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# Color

**XYZ(77.3718, 89.9629,  
107.0526)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CAFDFE
RGB	202, 253, 254
RGB Percent	79%, 99%, 100%
CMY	0.2078, 0.0078, 0.0039
CMYK	0.20, 0.00, 0.00, 0.00
HSL	181°, 96%, 89%
HSV	181°, 20%, 100%
XYZ	77.3718, 89.9629, 107.0526
YIQ	237.8650, -30.7170, -10.5010

# Conversions

## Conversions Part 2

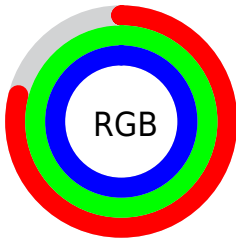
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	202, 228, 254
Decimal	13303294
CIE Lab	95.98, -15.82, -5.80
CIE LCh	96, 16.851, 200.139
Yxy	89.9629, 0.2820, 0.3279
Android (android.graphics.Color)	4291493374 (0xFFCAFDFE)
YUV	237.8650, 7.9546, -31.4536
Hunter-Lab	94.8488, -20.3760, -0.5245

# Details

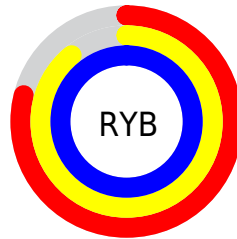
The XYZ color **77.3718, 89.9629, 107.0526** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.8905, 68.0471, 65.1715**, and the grayscale version is **81.1232, 85.3479, 92.9439**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8506, 49.7141, 60.2133** is the 20% darker color. If you saturate the color by 10%, you get **70.9041, 86.4031, 106.7078**, and if you desaturate by 10%, it is **84.9762, 94.1139, 107.4545**.

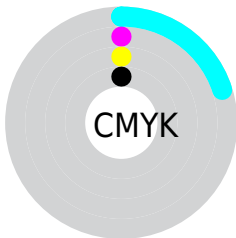
# Distribution



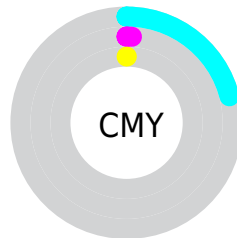
- Red (79%)
- Green (99%)
- Blue (100%)



- Red (79%)
- Yellow (89%)
- Blue (100%)



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



- Cyan (21%)
- Magenta (1%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.3718, 89.9629, 107.0526 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 77.3718, 89.9629, 107.0526 by changing the saturation by 10% instead.



77.3718, 89.9629,  
107.0526

77.3718, 89.9629,  
107.0526

474.9033,  
527.9102, 604.0137

57.8591, 67.9499,  
81.5538

128.6342,  
147.2869, 172.9519

41.9382, 49.8570,  
60.4641

161.1147,  
183.3666, 214.1895

29.2438, 35.2998,  
43.3651

198.6483,  
224.9040, 261.5104

19.4105, 23.8939,  
29.8382

241.6007,  
272.2835, 315.3331

12.0730, 15.2549,  
19.4648

290.3369,  
325.8894, 376.0763

6.8660, 8.9985,  
11.8264

345.2226,

3.4240, 4.7402,

386.1063, 444.1585

6.5045

406.6229,  
453.3184, 519.9981

■ 1.3818, 2.0956,  
3.0805

■ 0.2432, 0.6622,  
1.1359

■ 77.3718, 89.9629,  
107.0526

■ 77.3718, 89.9629,  
107.0526

■ 70.9041, 86.4031,  
106.7078

■ 84.9762, 94.1139,  
107.4545

■ 65.5100, 83.3951,  
106.4115

■ 93.7611, 98.8717,  
107.9098

■ 61.1323, 80.9116,  
106.1629

■ 94.7194, 99.5954,  
107.9990

■ 57.7050, 78.9186,  
105.9589

■ 94.8745, 99.9056,  
108.0507

■ 55.1547, 77.3783, 94.8897, 99.9359,  
105.7960 108.0557

■ 53.3972, 76.2473,  
105.6703

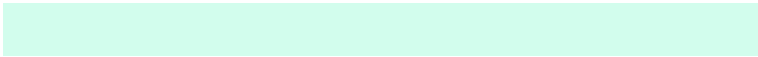
■ 52.3317, 75.4737,  
105.5771

■ 51.8066, 74.9897,  
105.5114

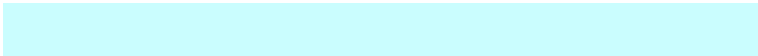
# Harmonies

## Analogous

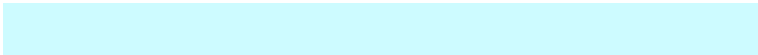
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.9840, 89.9629, 93.6272



77.3718, 89.9629, 107.0526



79.8948, 89.9629, 118.9896

# Triad

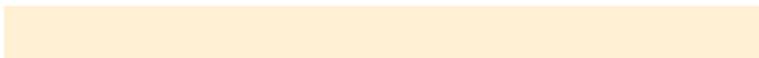
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.3718, 89.9629, 107.0526



92.5670, 89.9629, 115.3291



87.0499, 89.9629, 74.7963

# Complementary

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



77.3718, 89.9629, 107.0526



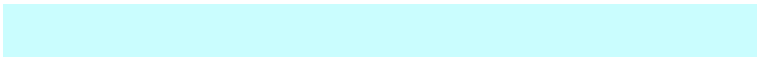
72.8905, 68.0471, 65.1715

# 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.



91.3762, 89.9629, 79.5568



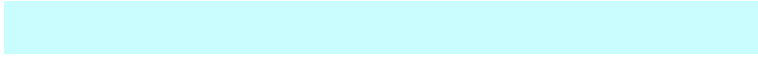
77.3718, 89.9629, 107.0526



94.6370, 89.9629, 102.4127

# Square

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



77.3718, 89.9629, 107.0526



88.6275, 89.9629, 124.0606



94.1934, 89.9629, 89.3867



82.4607, 89.9629, 75.7942

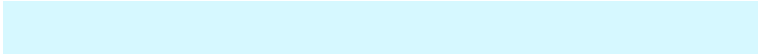


# Rectangle

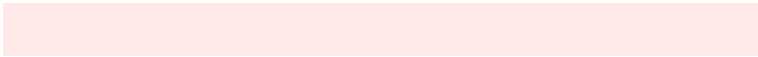
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.3718, 89.9629, 107.0526



82.5005, 89.9629, 124.1104



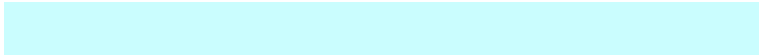
94.1934, 89.9629, 89.3867



88.5858, 89.9629, 75.7583

# Sweetspot

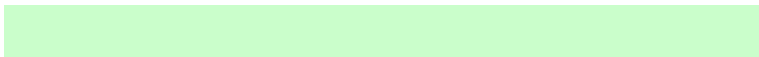
The Sweet Spot groups the original color and five complimentary colors.



77.3744, 89.9666, 107.0546



89.5499, 97.0258, 108.6158



70.5641, 87.7472, 69.6361



19.0449, 20.7012, 23.2419



0.0000, 0.0000, 0.0000

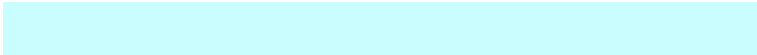


20.3446, 21.4041, 23.3091

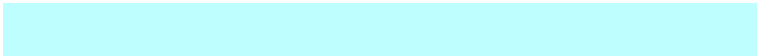


# Same Dimension

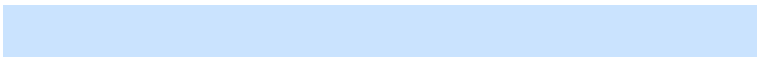
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.3744, 89.9666, 107.0546



74.9702, 89.0717, 107.8489



69.7537, 74.7252, 104.5144



18.5233, 20.4181, 23.2148



27.3261, 39.5617, 55.6305



2.6698, 3.8703, 5.4196



# Inverse Universe

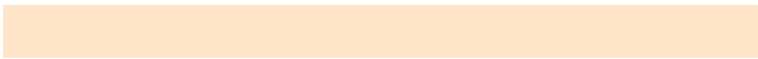
The Inverse Universe completely reimagines the original color for something new.



79.7253, 70.4057, 102.3204



77.7792, 65.7723, 102.1756



79.5177, 81.3016, 67.3805



18.7768, 18.2940, 22.7076



30.5811, 14.7217, 48.5721

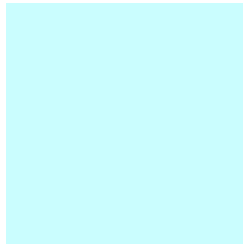


2.9822, 1.4353, 4.7536



# Previews

## White Background



This preview shows how the XYZ color 77.3718, 89.9629, 107.0526 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

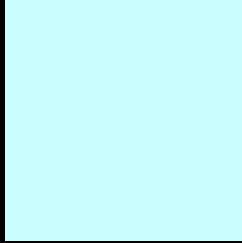
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.3718, 89.9629, 107.0526 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

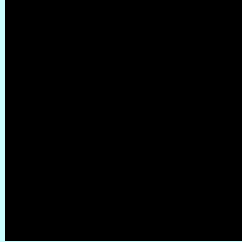
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 77.3718, 89.9629, 107.0526

## Background



This preview shows how black text looks on a background with the XYZ color 77.3718, 89.9629, 107.0526.



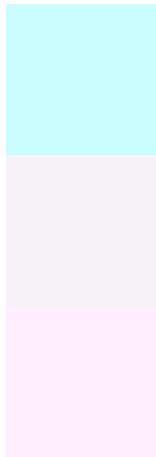
This preview shows how white text looks on a background with the XYZ color 77.3718, 89.9629,



# 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

77.3718, 89.9629, 107.0526

### Protanopia

86.5467, 89.8125, 100.7697

### Deuteranopia

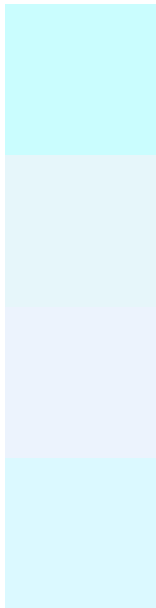
89.5442, 89.5009, 105.4844



## Tritanopia

83.0007, 89.6255, 107.5326

# Trichromacy



## Original Color

77.3718, 89.9629, 107.0526

## Protanomaly

82.8442, 89.6367, 103.3777

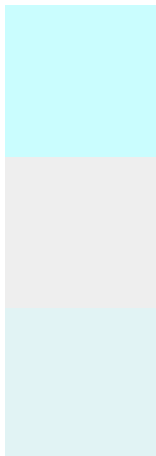
## Deuteranomaly

84.3723, 89.0259, 105.6653

## Tritanomaly

81.1391, 90.0314, 107.7091

# Monochromacy



## Original Color

77.3718, 89.9629, 107.0526

## Achromatopsia

81.2670, 85.4993, 93.1087

## Achromatomaly

79.4311, 86.6404, 98.1248

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.3718, 89.9629, 107.0526 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(202, 253, 254)` looks like.

```
.text, #text, p{  
    color:rgb(202, 253, 254)  
}
```

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(202, 253, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 253, 254) }
```

## Border

The CSS property to change the border of an element to XYZ 77.3718, 89.9629, 107.0526 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(202, 253, 254) }
```



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

```
.border{ border-color:rgb(202, 253, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 253, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 253, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 253, 254);  
box-shadow:4px 4px 4px 4px rgb(202, 253,  
254) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.3718, 89.9629, 107.0526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 253, 254) }
```

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

```
.background{ background-color: rgb(202,  
253, 254) }
```

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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