

# Converting Colors

XYZ(76.4266, 87.5236,  
107.4734)

Have a look what the booklet for  
XYZ(76.4266, 87.5236, 107.4734)  
contains.

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# Color

**XYZ(76.5543, 87.6679,  
107.4945)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CBF9FF
RGB	203, 249, 255
RGB Percent	80%, 98%, 100%
CMY	0.2039, 0.0235, 0.0000
CMYK	0.20, 0.02, 0.00, 0.00
HSL	187°, 100%, 90%
HSV	187°, 20%, 100%
XYZ	76.5543, 87.6679, 107.4945
YIQ	235.9300, -29.3420, -7.8860

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	203, 227, 255
Decimal	13367807
CIE Lab	95.02, -13.33, -7.73
CIE LCh	95, 15.410, 210.111
Yxy	87.6679, 0.2817, 0.3226
Android (android.graphics.Color)	4291557887 (0xFFC9F9FF)
YUV	235.9300, 9.4015, -28.8796
Hunter-Lab	93.6311, -17.9101, -2.5269

# Details

The XYZ color **76.5543, 87.6679, 107.4945** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.8197, 71.1717, 66.2957**, and the grayscale version is **79.6237, 83.7703, 91.2258**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.4757, 48.5130, 60.6040** is the 20% darker color. If you saturate the color by 10%, you get **69.2718, 82.5774, 106.8958**, and if you desaturate by 10%, it is **84.9978, 93.3826, 108.1525**.

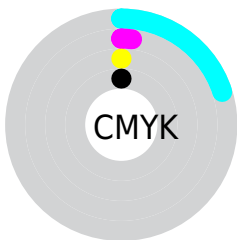
# Distribution



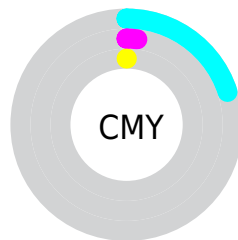
- Red (80%)
- Green (98%)
- Blue (100%)



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



- Cyan (20%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (2%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.5543, 87.6679, 107.4945 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 76.5543, 87.6679, 107.4945 by changing the saturation by 10% instead.



76.5543, 87.6679,  
107.4945

76.5543, 87.6679,  
107.4945

472.1583,  
520.4151, 605.4134

57.1858, 66.0481,  
81.9224

127.4863,  
144.0947, 173.5602

41.3951, 48.3114,  
60.7662

159.7806,  
179.6705, 214.8909

28.8170, 34.0736,  
43.6071

197.1141,  
220.6670, 262.3116

19.0860, 22.9501,  
30.0269

239.8522,  
267.4687, 316.2408

11.8368, 14.5567,  
19.6067

288.3604,  
320.4600, 377.0970

6.7041, 8.5089,  
11.9283

343.0039,

3.3224, 4.4222,

380.0252, 445.2989

6.5729

404.1481,  
446.5488, 521.2648

■ 1.3265, 1.9125,  
3.1221

■ 0.2029, 0.5558,  
1.1573

■ 76.5543, 87.6679,  
107.4945

■ 76.5543, 87.6679,  
107.4945

■ 69.2718, 82.5774,  
106.8958

■ 84.9978, 93.3826,  
108.1525

■ 63.0874, 78.0717,  
106.3520

94.6474, 99.7380,  
108.8707

■ 57.9431, 74.1231,  
105.8610

95.0500, 100.0000,  
108.9000

■ 53.7723, 70.6972,  
105.4196

■ 50.5009, 67.7557,  
105.0242

■ 48.0437, 65.2546,  
104.6710

■ 46.2992, 63.1414,  
104.3550

■ 45.1377, 61.3954,  
104.0792

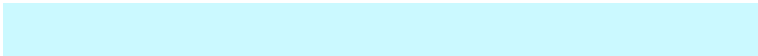
# Harmonies

## Analogous

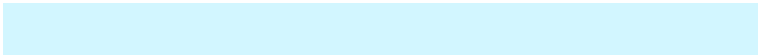
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.5323, 87.6679, 95.5000



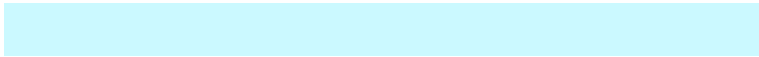
76.5543, 87.6679, 107.4945



79.3783, 87.6679, 116.8708

# Triad

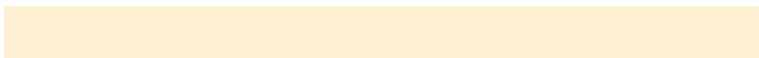
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.5543, 87.6679, 107.4945



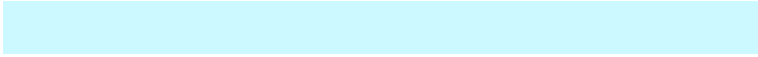
90.5015, 87.6679, 107.4110



83.3102, 87.6679, 74.2075

# Complementary

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



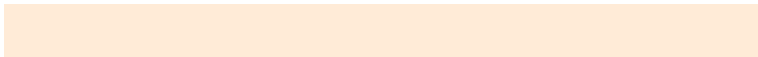
76.5543, 87.6679, 107.4945



74.8197, 71.1717, 66.2957

# 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.



87.4019, 87.6679, 76.8303



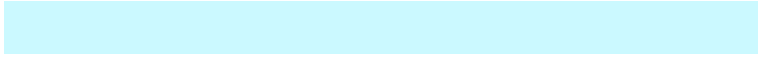
76.5543, 87.6679, 107.4945



91.6376, 87.6679, 95.4109

# Square

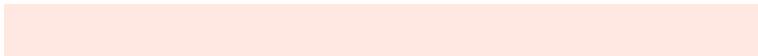
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.5543, 87.6679, 107.4945



87.4297, 87.6679, 116.8198



90.4851, 87.6679, 84.3506

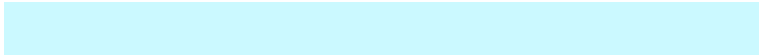


79.3522, 87.6679, 76.8689

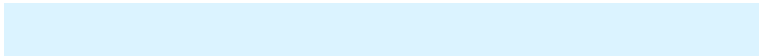


# Rectangle

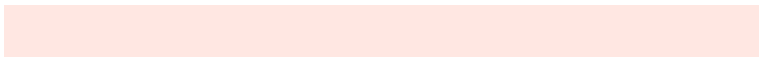
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.5543, 87.6679, 107.4945



81.9508, 87.6679, 120.0160



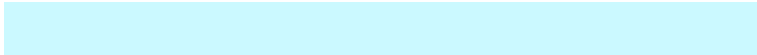
90.4851, 87.6679, 84.3506



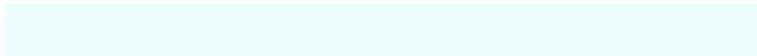
84.7159, 87.6679, 74.4974

# Sweetspot

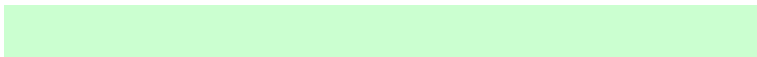
The Sweet Spot groups the original color and five complimentary colors.



76.5566, 87.6714, 107.4950



89.0832, 96.0925, 108.4603



71.7995, 88.7809, 73.1574



18.9342, 20.4798, 23.2050



0.0000, 0.0000, 0.0000

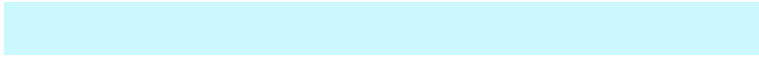


20.3446, 21.4041, 23.3091

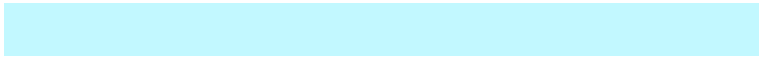


# Same Dimension

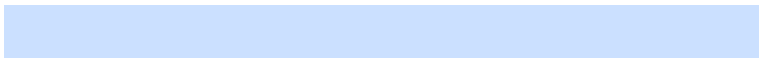
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.5566, 87.6714, 107.4950



73.7970, 85.7633, 107.2722



69.2817, 73.1217, 105.0701



18.3655, 20.1027, 23.1622



23.6567, 32.2230, 54.4074



2.3520, 3.2346, 5.3137



# Inverse Universe

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



79.6963, 70.8130, 99.0945



77.4219, 66.5284, 97.5221



81.4999, 84.5321, 68.5225



18.6972, 18.2622, 22.2883



28.7290, 13.9809, 38.8190

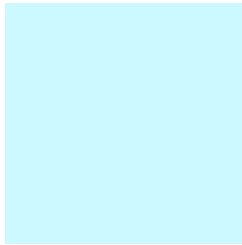


2.8218, 1.3711, 3.9088



# Previews

## White Background



This preview shows how the XYZ color 76.5543, 87.6679, 107.4945 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

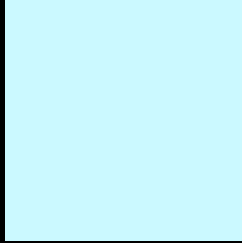
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.5543, 87.6679, 107.4945 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

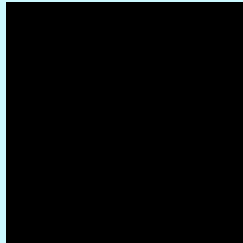
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 76.5543, 87.6679, 107.4945

## Background



This preview shows how black text looks on a background with the XYZ color 76.5543, 87.6679, 107.4945.



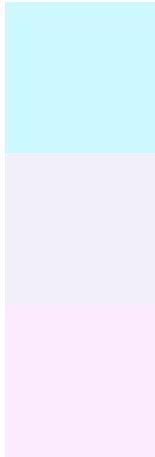
This preview shows how white text looks on a background with the XYZ color 76.5543, 87.6679,



# 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

76.5543, 87.6679, 107.4945

### Protanopia

84.5833, 87.4498, 102.0440

### Deuteranopia

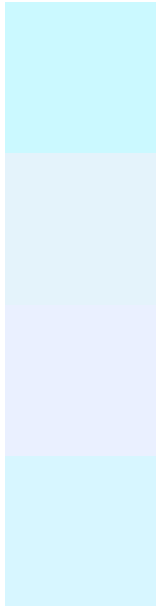
87.9032, 87.3321, 106.8315



## Tritanopia

80.5249, 87.4510, 107.2434

# Trichromacy



## Original Color

76.5543, 87.6679, 107.4945

## Protanomaly

81.4581, 87.5602, 103.8743

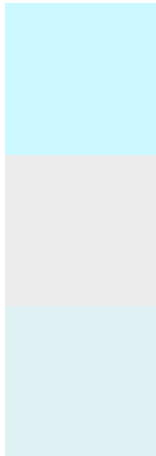
## Deuteranomaly

83.1418, 87.0326, 107.0247

## Tritanomaly

79.0301, 87.5786, 107.3468

# Monochromacy



## Original Color

76.5543, 87.6679, 107.4945

## Achromatopsia

79.7278, 83.8799, 91.3452

## Achromatomaly

78.3734, 85.2290, 97.1141

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.5543, 87.6679, 107.4945 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(203, 249, 255)` looks like.

```
.text, #text, p{  
    color:rgb(203, 249, 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(203, 249, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 249, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 76.5543, 87.6679, 107.4945 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(203, 249, 255) }
```



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

```
.border{ border-color:rgb(203, 249, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 249, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 249, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 249, 255);  
box-shadow:4px 4px 4px 4px rgb(203, 249,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.5543, 87.6679, 107.4945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 249, 255) }
```

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

```
.background{ background-color: rgb(203,  
249, 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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