

# Converting Colors

XYZ(77.9625, 89.7891,  
104.5523)

Have a look what the booklet for  
XYZ(77.9625, 89.7891, 104.5523)  
contains.

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# Color

**XYZ(77.9551, 89.8512,  
104.5011)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFFCFB
RGB	207, 252, 251
RGB Percent	81%, 99%, 98%
CMY	0.1882, 0.0117, 0.0157
CMYK	0.18, 0.00, 0.00, 0.01
HSL	179°, 88%, 90%
HSV	179°, 18%, 99%
XYZ	77.9551, 89.8512, 104.5011
YIQ	238.4310, -26.4990, -9.8510

# Conversions

## Conversions Part 2

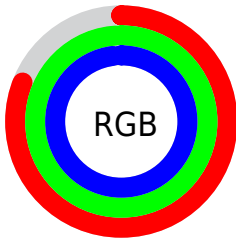
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	207, 230, 252
Decimal	13630715
CIE Lab	95.94, -14.45, -4.29
CIE LCh	96, 15.073, 196.531
Yxy	89.8512, 0.2863, 0.3300
Android (android.graphics.Color)	4291820795 (0xFFCFFCFB)
YUV	238.4310, 6.1965, -27.5650
Hunter-Lab	94.7899, -19.0840, 0.9886

# Details

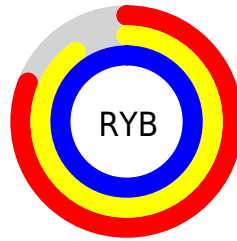
The XYZ color **77.9551, 89.8512, 104.5011** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.8461, 69.8776, 69.2740**, and the grayscale version is **81.5723, 85.8204, 93.4584**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.3143, 49.6457, 58.9821** is the 20% darker color. If you saturate the color by 10%, you get **71.3811, 86.4747, 103.7336**, and if you desaturate by 10%, it is **85.6583, 93.8144, 105.3266**.

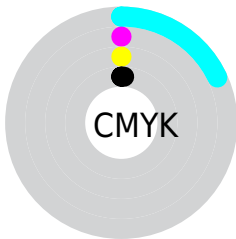
# Distribution



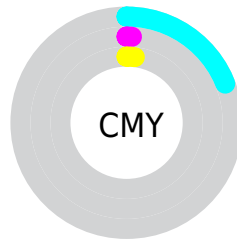
- Red (81%)
- Green (99%)
- Blue (98%)



- Red (81%)
- Yellow (90%)
- Blue (99%)



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



- Cyan (19%)
- Magenta (1%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.9551, 89.8512, 104.5011 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 77.9551, 89.8512, 104.5011 by changing the saturation by 10% instead.



77.9551, 89.8512,  
104.5011

77.9551, 89.8512,  
104.5011

476.8565,  
527.5467, 595.8987

58.3398, 67.8572,  
79.4271

129.4525,  
147.1317, 169.4347

42.3262, 49.7816,  
58.7237

162.0653,  
183.1870, 210.1314

29.5490, 35.2399,  
41.9722

199.7413,  
224.6982, 256.8728

19.6429, 23.8477,  
28.7541

242.8458,  
272.0497, 310.0774

12.2425, 15.2207,  
18.6509

291.7442,  
325.6259, 370.1638

6.9824, 8.9744,  
11.2440

346.8019,

3.4973, 4.7245,

385.8112, 437.5504

6.1150

408.3842,  
452.9900, 512.6559

■ 1.4219, 2.0865,  
2.8452

■ 0.2717, 0.6570,  
1.0162

■ 77.9551, 89.8512,  
104.5011

■ 77.9551, 89.8512,  
104.5011

■ 71.3811, 86.4747,  
103.7336

■ 85.6583, 93.8144,  
105.3266

■ 65.8752, 83.6466,  
103.0156

■ 93.6426, 97.9202,  
106.1647

■ 61.3826, 81.3407,  
102.3464

■ 93.7318, 97.9559,  
106.6347

■ 57.8403, 79.5247,  
101.7230

■ 93.8213, 97.9917,  
107.1061

■ 55.1785, 78.1626,  
101.1422

■ 93.9111, 98.0276,  
107.5789

■ 53.3177, 77.2134,  
100.6002

■ 94.0012, 98.0637,  
108.0531

■ 52.1642, 76.6288,  
100.0928

■ 94.0915, 98.0998,  
108.5287

■ 51.5920, 76.3438,  
99.6138

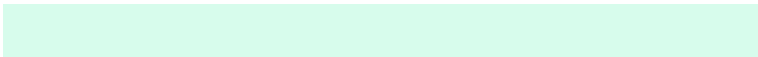
■ 94.1020, 98.1040,  
108.5840

■ 51.5059, 76.3016,  
99.5131

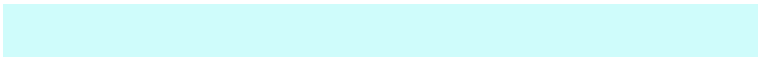
# Harmonies

## Analogous

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



77.8510, 89.8512, 92.5899



77.9551, 89.8512, 104.5011



80.0118, 89.8512, 115.4299

# Triad

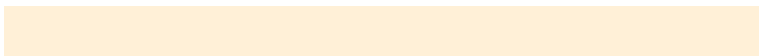
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.9551, 89.8512, 104.5011



91.3425, 89.8512, 114.4656



87.2788, 89.8512, 77.1903

# Complementary

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



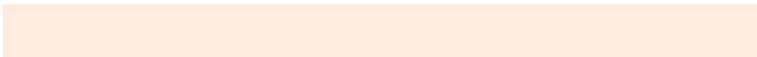
77.9551, 89.8512, 104.5011



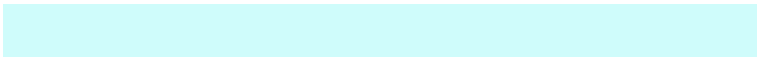
73.8461, 69.8776, 69.2740

# 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.



91.0266, 89.8512, 82.1214



77.9551, 89.8512, 104.5011



93.4237, 89.8512, 103.2697

# Square

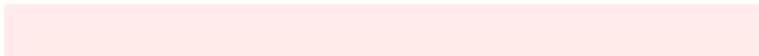
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



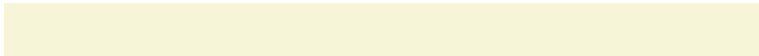
77.9551, 89.8512, 104.5011



87.6986, 89.8512, 121.4949



93.3063, 89.8512, 91.4542



83.1436, 89.8512, 77.4613

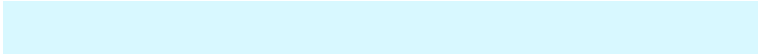


# Rectangle

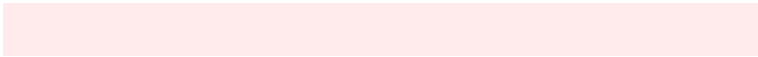
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



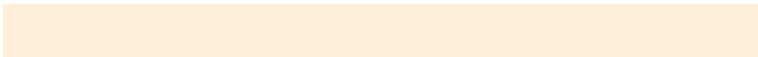
77.9551, 89.8512, 104.5011



82.2527, 89.8512, 120.4020



93.3063, 89.8512, 91.4542



88.6284, 89.8512, 78.2762

# Sweetspot

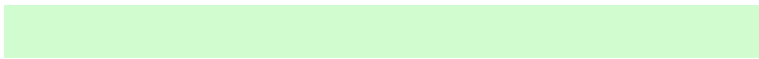
The Sweet Spot groups the original color and five complimentary colors.



77.9577, 89.8549, 104.5031



90.4681, 97.6432, 108.4468



72.2288, 87.6120, 72.1371



19.2313, 20.8315, 23.1987



0.0000, 0.0000, 0.0000

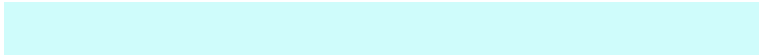


20.3446, 21.4041, 23.3091

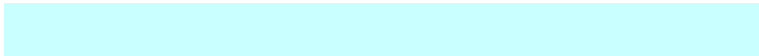


# Same Dimension

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



77.9577, 89.8549, 104.5031



77.8269, 91.1433, 107.0937



71.8813, 77.4484, 103.2602



17.7481, 19.6015, 22.1402



26.8366, 39.7477, 51.8763



2.4907, 3.6834, 4.8319



# Inverse Universe

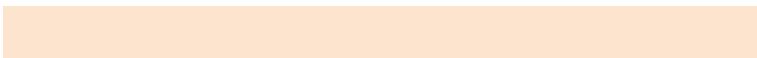
The Inverse Universe completely reimagines the original color for something new.



73.8461, 69.8776, 69.2740



72.9688, 67.5382, 65.4680



79.1540, 80.6904, 70.4361



17.2603, 17.2315, 17.9606



20.9350, 10.7897, 1.1000

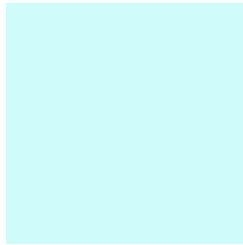


1.9443, 1.0014, 0.1300



# Previews

## White Background



This preview shows how the XYZ color 77.9551, 89.8512, 104.5011 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

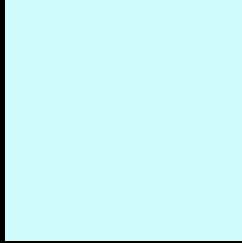
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.9551, 89.8512, 104.5011 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

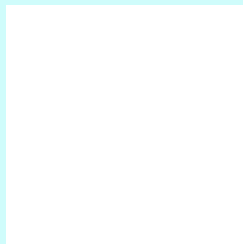
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 77.9551, 89.8512, 104.5011

## Background



This preview shows how black text looks on a background with the XYZ color 77.9551, 89.8512, 104.5011.



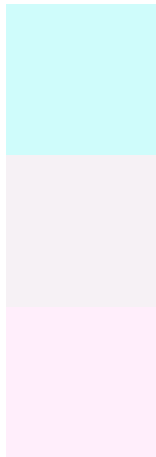
This preview shows how white text looks on a background with the XYZ color 77.9551, 89.8512,



# 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

77.9551, 89.8512, 104.5011

### Protanopia

85.9428, 89.0960, 99.0538

### Deuteranopia

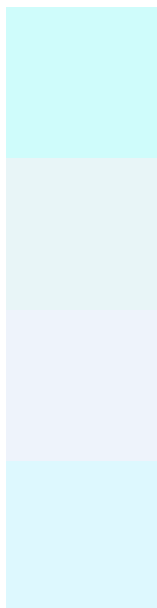
89.2271, 89.3741, 103.8149



## Tritanopia

83.3189, 89.7895, 107.5475

# Trichromacy



## Original Color

77.9551, 89.8512, 104.5011

## Protanomaly

82.7196, 89.1760, 100.8486

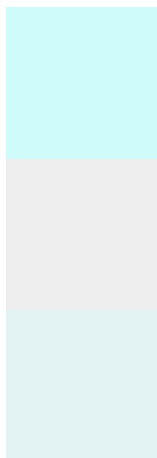
## Deuteranomaly

84.7231, 89.2434, 104.0271

## Tritanomaly

81.2756, 89.6627, 106.7889

# Monochromacy



## Original Color

77.9551, 89.8512, 104.5011

## Achromatopsia

81.2670, 85.4993, 93.1087

## Achromatomaly

79.9068, 86.9031, 97.3565

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.9551, 89.8512, 104.5011 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, 252, 251)` looks like.

```
.text, #text, p{  
    color:rgb(207, 252, 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, 252, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 252, 251) }
```

## Border

The CSS property to change the border of an element to XYZ 77.9551, 89.8512, 104.5011 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, 252, 251) }
```



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

```
.border{ border-color:rgb(207, 252, 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, 252, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 252, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 252, 251);  
box-shadow:4px 4px 4px 4px rgb(207, 252,  
251) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.9551, 89.8512, 104.5011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 252, 251) }
```

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

```
.background{ background-color: rgb(207,  
252, 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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