

# Converting Colors

XYZ(77.6444, 89.0093,  
102.9836)

Have a look what the booklet for  
XYZ(77.6444, 89.0093, 102.9836)  
contains.

<b>XYZ(77.5790, 88.7661, 102.6673)</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(77.5790, 88.7661,  
102.6673)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1FAF9
RGB	209, 250, 249
RGB Percent	82%, 98%, 98%
CMY	0.1804, 0.0196, 0.0235
CMYK	0.16, 0.00, 0.00, 0.02
HSL	179°, 80%, 90%
HSV	179°, 16%, 98%
XYZ	77.5790, 88.7661, 102.6673
YIQ	237.6270, -24.1150, -9.0030

# Conversions

## Conversions Part 2

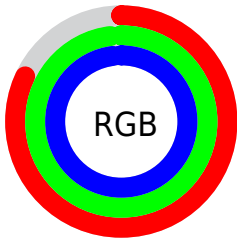
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	209, 230, 250
Decimal	13761273
CIE Lab	95.48, -13.25, -3.91
CIE LCh	95, 13.818, 196.429
Yxy	88.7661, 0.2884, 0.3300
Android (android.graphics.Color)	4291951353 (0xFFD1FAF9)
YUV	237.6270, 5.6069, -25.1059
Hunter-Lab	94.2158, -17.8974, 1.3425

# Details

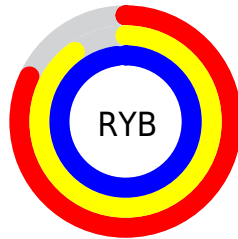
The XYZ color **77.5790, 88.7661, 102.6673** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.8608, 70.5805, 70.7071**, and the grayscale version is **80.9532, 85.1691, 92.7491**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.0220, 48.8602, 57.6682** is the 20% darker color. If you saturate the color by 10%, you get **70.9587, 85.3666, 101.8620**, and if you desaturate by 10%, it is **85.3146, 92.7453, 103.5302**.

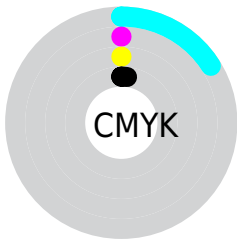
# Distribution



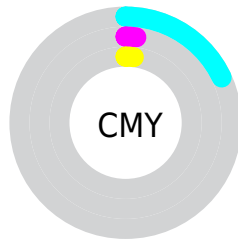
- Red (82%)
- Green (98%)
- Blue (98%)



- Red (82%)
- Yellow (90%)
- Blue (98%)



- Cyan (16%)
- Magenta (0%)
- Yellow (0%)
- Black (2%)



- Cyan (18%)
- Magenta (2%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.5790, 88.7661, 102.6673 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 77.5790, 88.7661, 102.6673 by changing the saturation by 10% instead.



77.5790, 88.7661,  
102.6673

77.5790, 88.7661,  
102.6673

475.5976,  
524.0088, 590.0304

58.0298, 66.9577,  
77.9007

128.9250,  
145.6233, 166.9016

42.0759, 49.0503,  
57.4765

161.4525,  
181.4408, 207.2064

29.3521, 34.6594,  
40.9760

199.0367,  
222.6969, 253.5277

19.4930, 23.4006,  
27.9808

242.0432,  
269.7759, 306.2840

12.1331, 14.8896,  
18.0722

290.8371,  
323.0622, 365.8939

6.9073, 8.7419,  
10.8319

345.7839,

3.4500, 4.5732,

382.9402, 432.7759

5.8412

407.2490,  
449.7942, 507.3486

■ 1.3960, 1.9991,  
2.6815

■ 0.2533, 0.6070,  
0.9341

■ 77.5790, 88.7661,  
102.6673

■ 77.5790, 88.7661,  
102.6673

■ 70.9587, 85.3666,  
101.8620

■ 85.3146, 92.7453,  
103.5302

■ 65.3944, 82.5091,  
101.1058


■ 92.7179, 96.5507,  
104.3773


■ 60.8331, 80.1685,  
100.3982


■ 92.8141, 96.5892,  
104.8840


■ 57.2138, 78.3136,  
99.7363


■ 92.9107, 96.6278,  
105.3924


 54.4691, 76.9096,  
99.1169


 93.0075, 96.6666,  
105.9025


 52.5228, 75.9170,  
98.5366


 93.1047, 96.7054,  
106.4142


 51.2854, 75.2899,  
97.9910

 93.2022, 96.7444,  
106.9275

 50.6453, 74.9707,  
97.4750

 93.3000, 96.7836,  
107.4425

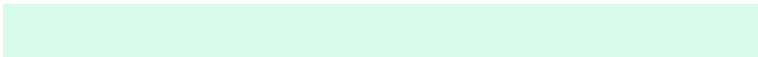
 50.4992, 74.8992,  
97.2936

 93.3981, 96.8228,  
107.9591

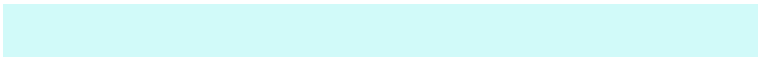
# Harmonies

## Analogous

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



77.4902, 88.7661, 91.8419



77.5790, 88.7661, 102.6673



79.4516, 88.7661, 112.5540

# Triad

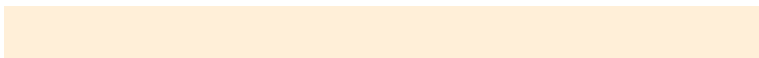
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.5790, 88.7661, 102.6673



89.7535, 88.7661, 111.7424



86.0890, 88.7661, 77.7713

# Complementary

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



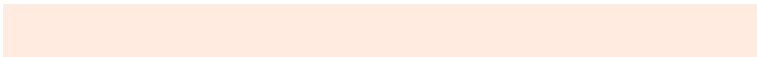
77.5790, 88.7661, 102.6673



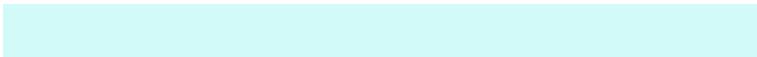
73.8608, 70.5805, 70.7071

# 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.



89.4863, 88.7661, 82.3216



77.5790, 88.7661, 102.6673



91.6444, 88.7661, 101.6255

# Square

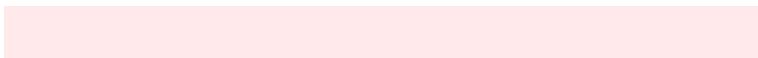
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.5790, 88.7661, 102.6673



86.4448, 88.7661, 118.0555



91.5452, 88.7661, 90.8748



82.3277, 88.7661, 78.0043

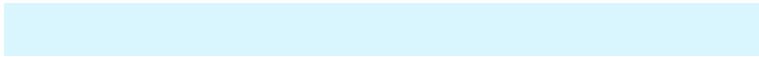


# Rectangle

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



77.5790, 88.7661, 102.6673



81.4923, 88.7661, 117.0435



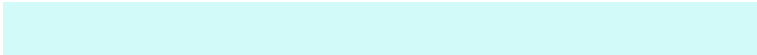
91.5452, 88.7661, 90.8748



87.3137, 88.7661, 78.7767

# Sweetspot

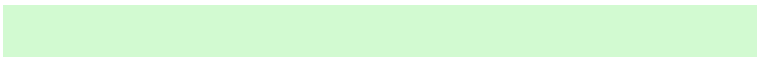
The Sweet Spot groups the original color and five complimentary colors.



77.5816, 88.7698, 102.6693



90.4636, 97.6414, 108.4234



72.3797, 86.7339, 73.2497



19.2302, 20.8311, 23.1930



0.0000, 0.0000, 0.0000

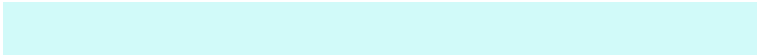


20.3446, 21.4041, 23.3091

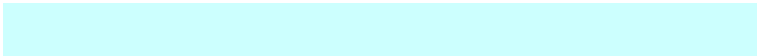


# Same Dimension

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



77.5816, 88.7698, 102.6693



78.5115, 91.4972, 107.0805



72.0910, 77.5375, 101.6134



17.7464, 19.6008, 22.1311



26.7935, 39.7304, 51.6492



2.4872, 3.6820, 4.8134



# Inverse Universe

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



73.8608, 70.5805, 70.7071



73.8823, 68.8655, 67.3131



78.7162, 80.4908, 71.7106



17.2618, 17.2321, 17.9686



20.9372, 10.7906, 1.1119



1.9450, 1.0017, 0.1338



# Previews

## White Background



This preview shows how the XYZ color 77.5790, 88.7661, 102.6673 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

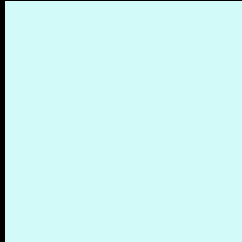
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.5790, 88.7661, 102.6673 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

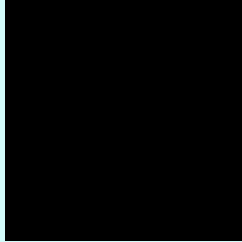
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 77.5790, 88.7661, 102.6673

## Background



This preview shows how black text looks on a background with the XYZ color 77.5790, 88.7661, 102.6673.



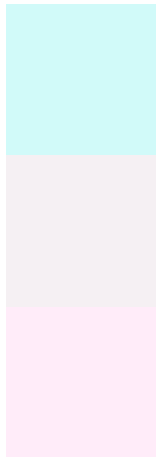
This preview shows how white text looks on a background with the XYZ color 77.5790, 88.7661,



# 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

77.5790, 88.7661, 102.6673

### Protanopia

84.9939, 88.2037, 97.3394

### Deuteranopia

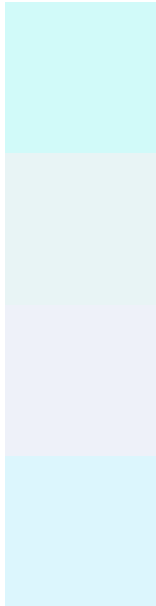
88.3343, 88.0905, 101.9700



## **Tritanopia**

82.0792, 88.2523, 107.3161

# Trichromacy



## Original Color

77.5790, 88.7661, 102.6673

## Protanomaly

82.1108, 88.4497, 99.1310

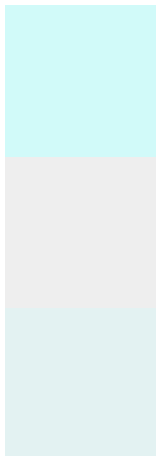
## Deuteranomaly

83.8141, 87.9273, 102.1767

## Tritanomaly

80.2006, 88.2190, 105.7295

# Monochromacy



## Original Color

77.5790, 88.7661, 102.6673

## Achromatopsia

81.2670, 85.4993, 93.1087

## Achromatomaly

79.4577, 86.2460, 96.4637

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.5790, 88.7661, 102.6673 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(209, 250, 249)` looks like.

```
.text, #text, p{  
    color:rgb(209, 250, 249)  
}
```

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(209, 250, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 250, 249) }
```

## Border

The CSS property to change the border of an element to XYZ 77.5790, 88.7661, 102.6673 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(209, 250, 249) }
```



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

```
.border{ border-color:rgb(209, 250, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 250, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 250, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 250, 249);  
box-shadow:4px 4px 4px 4px rgb(209, 250,  
249) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.5790, 88.7661, 102.6673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 250, 249) }
```

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

```
.background{ background-color: rgb(209,  
250, 249) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor