

# Converting Colors

XYZ(77.1843, 85.4635,  
101.8803)

Have a look what the booklet for  
XYZ(77.1843, 85.4635, 101.8803)  
contains.

<b>XYZ(77.1738, 85.3878, 102.0365)</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(77.1738, 85.3878,  
102.0365)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D7F3F9
RGB	215, 243, 249
RGB Percent	84%, 95%, 98%
CMY	0.1569, 0.0470, 0.0235
CMYK	0.14, 0.02, 0.00, 0.02
HSL	191°, 74%, 91%
HSV	191°, 14%, 98%
XYZ	77.1738, 85.3878, 102.0365
YIQ	235.3120, -18.6140, -4.0700

# Conversions

## Conversions Part 2

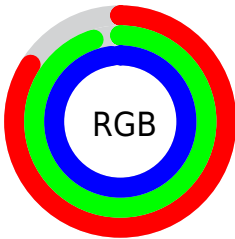
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	215, 230, 249
Decimal	14152697
CIE Lab	94.05, -7.89, -5.98
CIE LCh	94, 9.901, 217.125
Yxy	85.3878, 0.2917, 0.3227
Android (android.graphics.Color)	4292342777 (0xFFD7F3F9)
YUV	235.3120, 6.7482, -17.8136
Hunter-Lab	92.4055, -12.6328, -0.7856

# Details

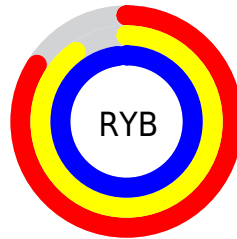
The XYZ color **77.1738, 85.3878, 102.0365** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.1897, 76.7587, 75.0391**, and the grayscale version is **79.1657, 83.2885, 90.7011**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8932, 46.8645, 57.2898** is the 20% darker color. If you saturate the color by 10%, you get **69.1133, 79.3069, 101.2890**, and if you desaturate by 10%, it is **86.3835, 92.1123, 102.8504**.

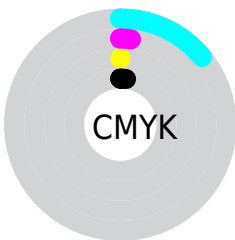
# Distribution



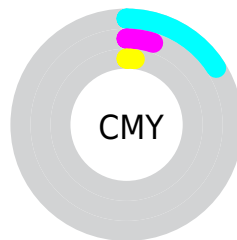
- Red (84%)
- Green (95%)
- Blue (98%)



- Red (84%)
- Yellow (90%)
- Blue (98%)



- Cyan (14%)
- Magenta (2%)
- Yellow (0%)
- Black (2%)



- Cyan (16%)
- Magenta (5%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.1738, 85.3878, 102.0365 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 77.1738, 85.3878, 102.0365 by changing the saturation by 10% instead.



77.1738, 85.3878,  
102.0365

77.1738, 85.3878,  
102.0365

474.2393,  
512.9104, 588.0047

57.6960, 64.1619,  
77.3761

128.3563,  
140.9149, 166.0292

41.8066, 46.7818,  
57.0482

160.7917,  
175.9848, 206.1986

29.1403, 32.8632,  
40.6343

198.2770,  
216.4381, 252.3746

19.3318, 22.0217,  
27.7159

241.1775,  
262.6593, 304.9760

12.0157, 13.8728,  
17.8744

289.8587,  
315.0328, 364.4211

6.8266, 8.0323,  
10.6914

344.6858,

3.3993, 4.1156,

373.9428, 431.1286

5.7482

406.0242,  
439.7739, 505.5169

■ 1.3683, 1.7384,  
2.6263

■ 0.2334, 0.4484,  
0.9060

■ 77.1738, 85.3878,  
102.0365

■ 77.1738, 85.3878,  
102.0365

■ 69.1133, 79.3069,  
101.2890

■ 86.3835, 92.1123,  
102.8504

■ 62.1443, 73.8327,  
100.5996

■ 93.0831, 97.5877,  
103.5541

■ 56.2149, 68.9405,  
99.9679

■ 94.0991, 99.6197,  
103.8928

■ 51.2662, 64.5997,  
99.3908

■ 47.2334, 60.7763,  
98.8654

■ 44.0432, 57.4323,  
98.3881

■ 41.6112, 54.5239,  
97.9549

■ 39.8341, 51.9975,  
97.5609

■ 38.9509, 50.5431,  
97.3267

# Harmonies

## Analogous

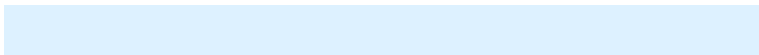
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.2197, 85.3878, 94.7898



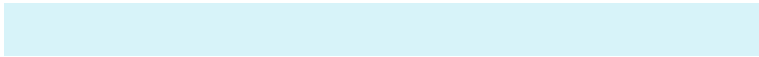
77.1738, 85.3878, 102.0365



79.1992, 85.3878, 107.0371

# Triad

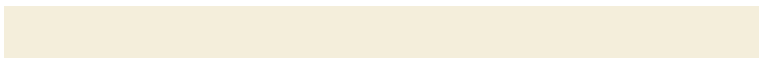
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.1738, 85.3878, 102.0365



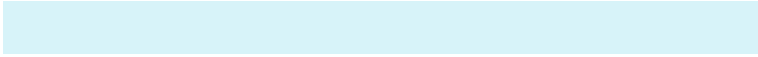
85.9313, 85.3878, 98.7456



80.5298, 85.3878, 79.2662

# Complementary

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



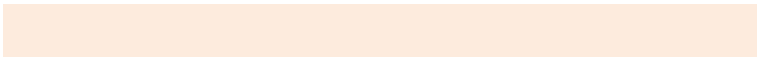
77.1738, 85.3878, 102.0365



77.1897, 76.7587, 75.0391

# 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.



83.1500, 85.3878, 80.1978



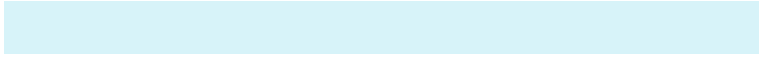
77.1738, 85.3878, 102.0365



86.3062, 85.3878, 91.1792

# Square

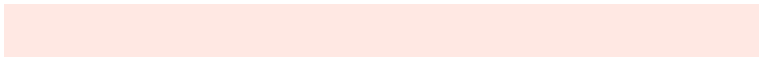
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.1738, 85.3878, 102.0365



84.2645, 85.3878, 105.0663



85.2781, 85.3878, 84.4624

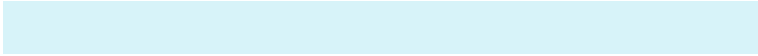


78.1298, 85.3878, 81.8448

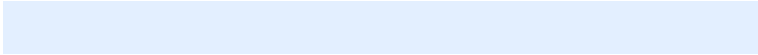


# Rectangle

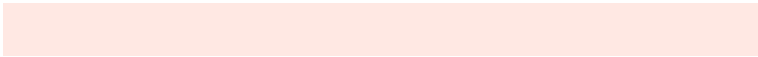
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.1738, 85.3878, 102.0365



80.9040, 85.3878, 108.2790



85.2781, 85.3878, 84.4624



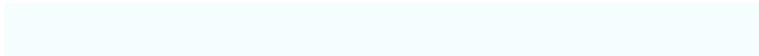
81.4137, 85.3878, 79.1816

# Sweetspot

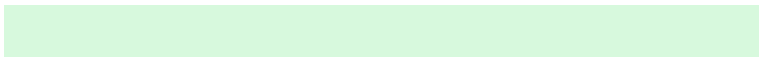
The Sweet Spot groups the original color and five complimentary colors.



77.1763, 85.3914, 102.0384



90.8252, 96.9741, 108.5386



74.9082, 87.4026, 81.0978



19.2751, 20.6373, 23.2174



0.0000, 0.0000, 0.0000

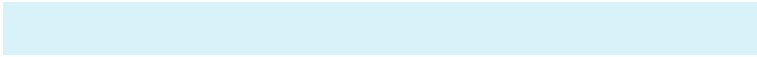


20.3446, 21.4041, 23.3091

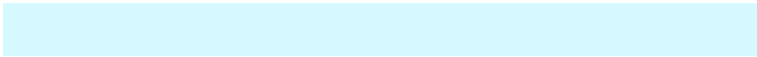


# Same Dimension

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



77.1763, 85.3914, 102.0384



79.3472, 88.5607, 107.5196



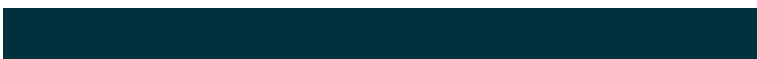
72.4118, 75.8624, 100.4502



17.4901, 19.0571, 22.1419



20.9440, 27.2435, 52.1282



2.0057, 2.6552, 4.8500



# Inverse Universe

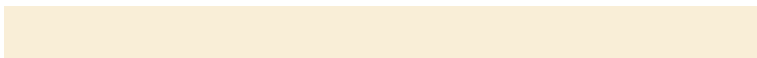
The Inverse Universe completely reimagines the original color for something new.



79.5470, 75.2135, 95.1232



82.2501, 76.2196, 99.0245



81.8116, 86.0027, 76.5798



17.8539, 17.4689, 21.0866



26.8636, 13.1612, 32.3196

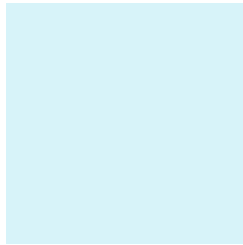


2.5213, 1.2323, 3.1687



# Previews

## White Background



This preview shows how the XYZ color 77.1738, 85.3878, 102.0365 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

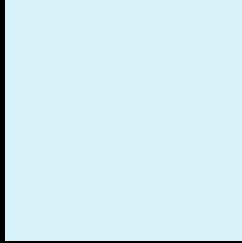
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.1738, 85.3878, 102.0365 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 77.1738, 85.3878, 102.0365

## Background



This preview shows how black text looks on a background with the XYZ color 77.1738, 85.3878, 102.0365.



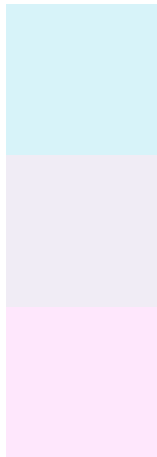
This preview shows how white text looks on a background with the XYZ color 77.1738, 85.3878,



# 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

77.1738, 85.3878, 102.0365

### Protanopia

82.4121, 85.1087, 98.4702

### Deuteranopia

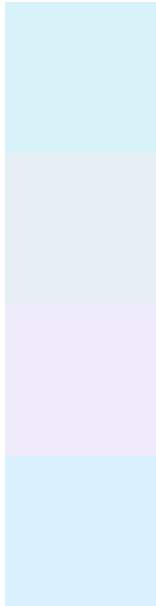
87.0197, 85.2509, 103.9641



## **Tritanopia**

79.3343, 85.0698, 106.8465

# Trichromacy



## Original Color

77.1738, 85.3878, 102.0365

## Protanomaly

80.4561, 85.3757, 99.4275

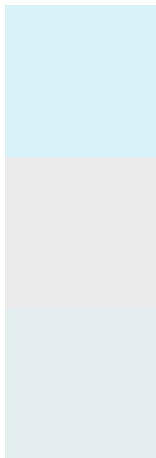
## Deuteranomaly

83.0561, 84.9070, 103.2779

## Tritanomaly

78.3983, 85.0625, 105.2152

# Monochromacy



## Original Color

77.1738, 85.3878, 102.0365

## Achromatopsia

78.9647, 83.0770, 90.4708

## Achromatomaly

78.2976, 83.9343, 94.5123

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.1738, 85.3878, 102.0365 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(215, 243, 249)` looks like.

```
.text, #text, p{  
    color:rgb(215, 243, 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(215, 243, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 243, 249) }
```

## Border

The CSS property to change the border of an element to XYZ 77.1738, 85.3878, 102.0365 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(215, 243, 249) }
```



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

```
.border{ border-color:rgb(215, 243, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 243, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 243, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 243, 249);  
box-shadow:4px 4px 4px 4px rgb(215, 243,  
249) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.1738, 85.3878, 102.0365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 243, 249) }
```

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

```
.background{ background-color: rgb(215,  
243, 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](#).

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