

# Converting Colors

XYZ(68.5922, 77.2445,  
100.7043)

Have a look what the booklet for  
XYZ(68.5922, 77.2445, 100.7043)  
contains.

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# Color

**XYZ(68.5140, 77.0226,  
100.8783)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C1EAF9
RGB	193, 234, 249
RGB Percent	76%, 92%, 98%
CMY	0.2431, 0.0823, 0.0235
CMYK	0.22, 0.06, 0.00, 0.02
HSL	196°, 82%, 87%
HSV	196°, 22%, 98%
XYZ	68.5140, 77.0226, 100.8783
YIQ	223.4510, -29.2510, -4.0270

# Conversions

## Conversions Part 2

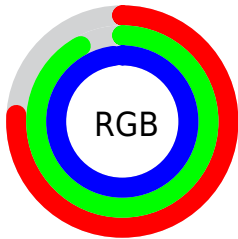
Format	Color
R <sub>YB</sub>	193, 217, 249
Decimal	12708601
CIE Lab	90.33, -10.01, -11.64
CIE LCh	90, 15.356, 229.305
Yxy	77.0226, 0.2780, 0.3126
Android (android.graphics.Color)	4290898681 (0xFFC1EAF9)
YUV	223.4510, 12.5957, -26.7055
Hunter-Lab	87.7625, -14.2339, -6.7169

# Details

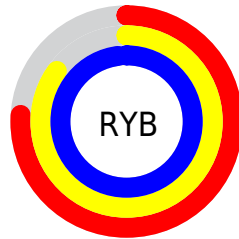
The XYZ color **68.5140, 77.0226, 100.8783** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.2493, 69.1021, 60.0365**, and the grayscale version is **70.3899, 74.0556, 80.6466**.

A 20% lighter version of the original color is **93.2343, 99.0640, 108.8150**, and **36.0273, 41.0943, 56.4852** is the 20% darker color. If you saturate the color by 10%, you get **60.8306, 70.2980, 99.9865**, and if you desaturate by 10%, it is **77.3422, 84.4473, 101.8474**.

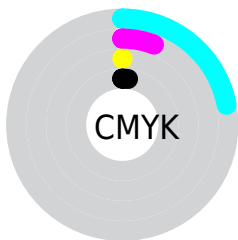
# Distribution



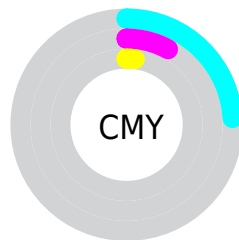
- Red (76%)
- Green (92%)
- Blue (98%)



- Red (76%)
- Yellow (85%)
- Blue (98%)



- Cyan (22%)
- Magenta (6%)
- Yellow (0%)
- Black (2%)



- Cyan (24%)
- Magenta (8%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.5140, 77.0226, 100.8783 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 68.5140, 77.0226, 100.8783 by changing the saturation by 10% instead.



68.5140, 77.0226,  
100.8783

68.5140, 77.0226,  
100.8783

444.6632,  
484.8411, 584.2756

50.5912, 57.2714,  
76.4133

116.1250,  
129.1714, 164.4260

36.1031, 41.2232,  
56.2628

146.5440,  
162.3378, 204.3458

24.6843, 28.4935,  
40.0082

181.8590,  
200.7447, 250.2543

15.9695, 18.6980,  
27.2311

222.4355,  
244.7766, 302.5700

9.5933, 11.4523,  
17.5129

268.6389,  
294.8177, 361.7114

5.1903, 6.3719,  
10.4350

320.8343,

2.3953, 3.0725,

351.2526, 428.0971

5.5790

379.3873,  
414.4656, 502.1457

■ 0.8427, 1.1697,  
2.5262

■ 0.0000, 0.0368,  
0.8540

■ 68.5140, 77.0226,  
100.8783

■ 68.5140, 77.0226,  
100.8783

■ 60.8306, 70.2980,  
99.9865

■ 77.3422, 84.4473,  
101.8474

■ 54.2307, 64.2349,  
99.1641

■ 87.3587, 92.5900,  
102.8911

■ 48.6578, 58.8051,  
98.4098

■ 93.7841, 98.9896,  
103.7877

■ 44.0472, 53.9739,  
97.7203

■ 94.0991, 99.6196,  
103.8927

■ 40.3262, 49.7027,  
97.0920

■ 37.4112, 45.9471,  
96.5207

■ 35.2013, 42.6539,  
96.0015

■ 33.8920, 40.4254,  
95.6404

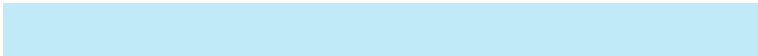
# Harmonies

## Analogous

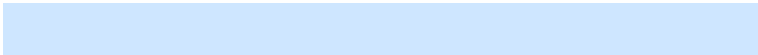
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.4805, 77.0226, 91.0261



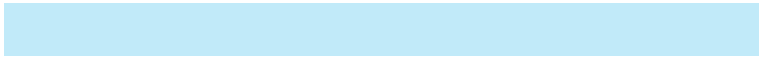
68.5140, 77.0226, 100.8783



71.8507, 77.0226, 106.3227

# Triad

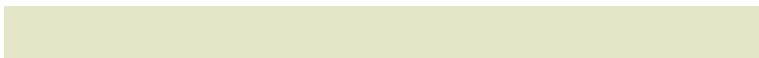
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.5140, 77.0226, 100.8783



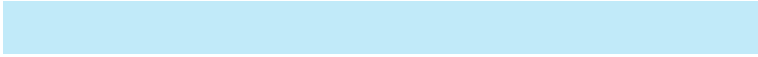
80.6787, 77.0226, 87.8362



70.8019, 77.0226, 65.5070

# Complementary

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



68.5140, 77.0226, 100.8783



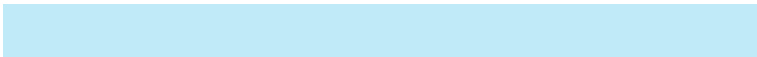
71.2493, 69.1021, 60.0365

# 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.



74.5817, 77.0226, 64.8149



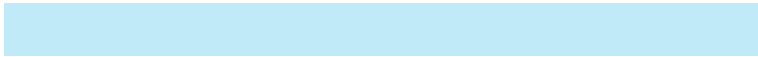
68.5140, 77.0226, 100.8783



80.3740, 77.0226, 77.0888

# Square

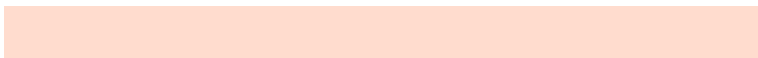
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.5140, 77.0226, 100.8783



78.9295, 77.0226, 98.3689



78.1110, 77.0226, 68.8801

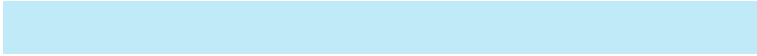


67.7693, 77.0226, 70.8610



# Rectangle

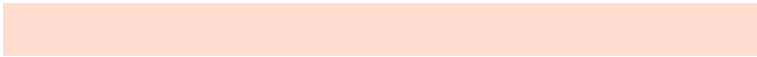
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



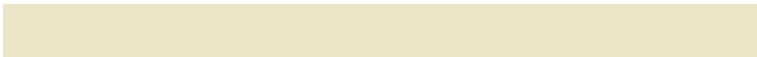
68.5140, 77.0226, 100.8783



74.4039, 77.0226, 106.4267



78.1110, 77.0226, 68.8801



72.0243, 77.0226, 64.7402

# Sweetspot

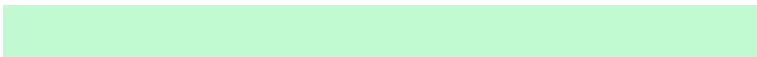
The Sweet Spot groups the original color and five complimentary colors.



68.5163, 77.0257, 100.8800



87.2790, 93.7581, 108.1048



67.2465, 83.6411, 72.2332



18.5443, 19.9567, 23.1246



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

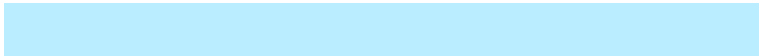


# Same Dimension

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



68.5163, 77.0257, 100.8800



68.4935, 77.9926, 106.0518



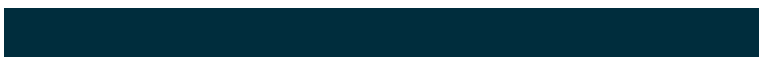
61.1801, 62.3534, 98.4347



17.3496, 18.7760, 22.0950



18.2649, 21.8853, 51.2352



1.7789, 2.2014, 4.7743



# Inverse Universe

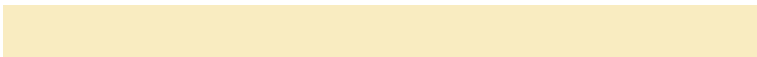
The Inverse Universe completely reimagines the original color for something new.



72.9900, 64.2220, 86.3945



74.0526, 62.5299, 87.9516



78.6702, 83.9440, 62.5102



17.7830, 17.4406, 20.7130



25.5113, 12.6202, 25.1986

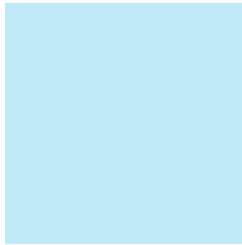


2.4068, 1.1865, 2.5657



# Previews

## White Background



This preview shows how the XYZ color 68.5140, 77.0226, 100.8783 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

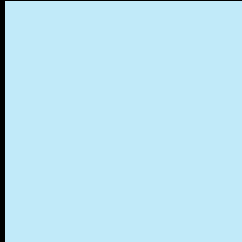
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.5140, 77.0226, 100.8783 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

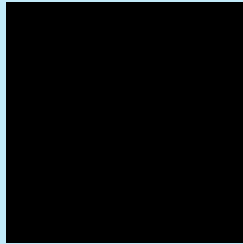
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 68.5140, 77.0226, 100.8783

## Background



This preview shows how black text looks on a background with the XYZ color 68.5140, 77.0226, 100.8783.



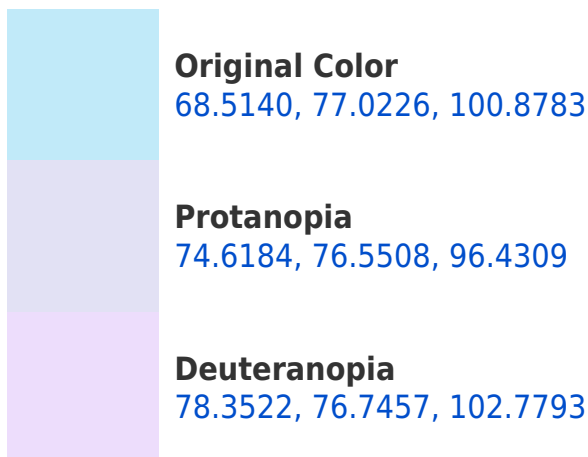
This preview shows how white text looks on a background with the XYZ color 68.5140, 77.0226,



# 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

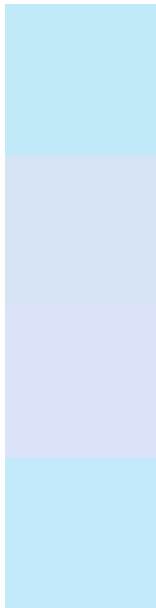




## Tritanopia

69.2416, 77.3432, 103.3748

# Trichromacy



## Original Color

68.5140, 77.0226, 100.8783

## Protanomaly

72.1095, 76.4368, 98.1420

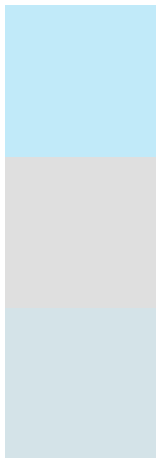
## Deuteranomaly

74.4277, 76.7299, 102.1544

## Tritanomaly

69.0835, 77.2800, 102.5422

# Monochromacy



## Original Color

68.5140, 77.0226, 100.8783

## Achromatopsia

70.1384, 73.7910, 80.3584

## Achromatomaly

69.1860, 74.7614, 87.1278

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.5140, 77.0226, 100.8783 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(193, 234, 249)` looks like.

```
.text, #text, p{  
    color:rgb(193, 234, 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(193, 234, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 234, 249) }
```

## Border

The CSS property to change the border of an element to XYZ 68.5140, 77.0226, 100.8783 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(193, 234, 249) }
```



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

```
.border{ border-color:rgb(193, 234, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 234, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 234, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 234, 249);  
box-shadow:4px 4px 4px 4px rgb(193, 234,  
249) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.5140, 77.0226, 100.8783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 234, 249) }
```

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

```
.background{ background-color: rgb(193,  
234, 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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