

Converting Colors

XYZ(70.0058, 77.6661,
102.6849)

Have a look what the booklet for
XYZ(70.0058, 77.6661, 102.6849)
contains.

XYZ(70.1241, 77.8164, 102.5909)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(70.1241, 77.8164,
102.5909)**

Conversions

Conversions Part 1

Format	Color
Hex	C6EAFB
RGB	198, 234, 251
RGB Percent	78%, 92%, 98%
CMY	0.2235, 0.0823, 0.0157
CMYK	0.21, 0.07, 0.00, 0.02
HSL	199°, 87%, 88%
HSV	199°, 21%, 98%
XYZ	70.1241, 77.8164, 102.5909
YIQ	225.1740, -26.9130, -2.3450

Conversions

Conversions Part 2

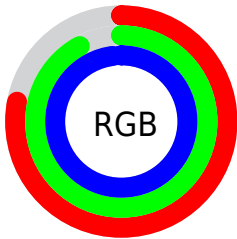
Format	Color
R_{YB}	198, 219, 251
Decimal	13036283
CIE _{Lab}	90.70, -8.10, -12.11
CIE _{LCh}	91, 14.569, 236.238
Yxy	77.8164, 0.2799, 0.3106
Android (android.graphics.Color)	4291226363 (0xFFC6EAFB)
YUV	225.1740, 12.7322, -23.8316
Hunter-Lab	88.2136, -12.4779, -7.2037

Details

The XYZ color **70.1241, 77.8164, 102.5909** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.2779, 73.1876, 63.6395**, and the grayscale version is **71.6202, 75.3500, 82.0562**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.9857, 41.5755, 57.1145** is the 20% darker color. If you saturate the color by 10%, you get **61.8090, 70.2065, 101.5616**, and if you desaturate by 10%, it is **79.6443, 86.2061, 103.7098**.

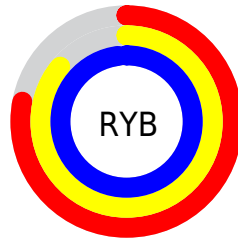
Distribution



Red (78%)

Green (92%)

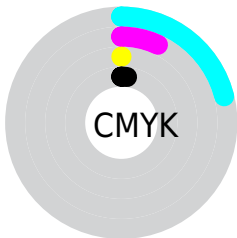
Blue (98%)



Red (78%)

Yellow (86%)

Blue (98%)

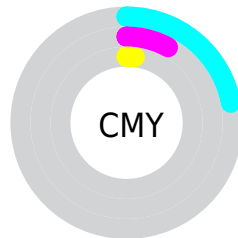


Cyan (21%)

Magenta (7%)

Yellow (0%)

Black (2%)



Cyan (22%)

Magenta (8%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.1241, 77.8164, 102.5909 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 70.1241, 77.8164, 102.5909 by changing the saturation by 10% instead.

■ 70.1241, 77.8164,
102.5909

■ 70.1241, 77.8164,
102.5909

450.2452,
487.5431, 589.7853

■ 51.9077, 57.9232,
77.8372

118.4110,
130.2913, 166.7960

■ 37.1555, 41.7469,
57.4246

149.2122,
163.6417, 207.0844

■ 25.5021, 28.9031,
40.9346

184.9391,
202.2467, 253.3881

■ 16.5823, 19.0076,
27.9487

225.9569,
246.4905, 306.1257

■ 10.0306, 11.6757,
18.0483

272.6311,
296.7577, 365.7156

■ 5.4816, 6.5233,
10.8148

325.3269,

■ 2.5702, 3.1658,

353.4326, 432.5765

5.8299

384.4099,
416.8996, 507.1269

■ 0.9308, 1.2189,
2.6748

■ 0.0000, 0.0771,
0.9307

■ 70.1241, 77.8164,
102.5909

■ 70.1241, 77.8164,
102.5909

■ 61.8090, 70.2065,
101.5616

■ 79.6443, 86.2061,
103.7098

■ 54.6367, 63.3363,
100.6135

■ 90.4142, 95.3947,
104.9157

■ 48.5496, 57.1761,
99.7453

■ 94.4128, 99.7451,
105.5447

■ 43.4820, 51.6897,
98.9534

■ 39.3605, 46.8373,
98.2340

■ 36.1009, 42.5733,
97.5828

■ 33.6026, 38.8435,
96.9945

■ 31.8823, 35.9041,
96.5178

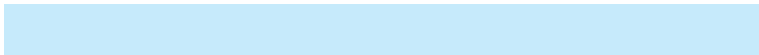
Harmonies

Analogous

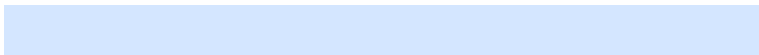
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.8347, 77.8164, 93.9440



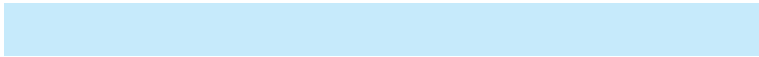
70.1241, 77.8164, 102.5909



73.5019, 77.8164, 106.4457

Triad

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



70.1241, 77.8164, 102.5909



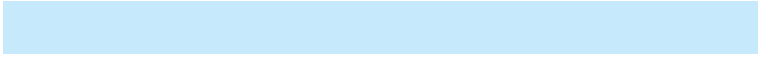
81.2002, 77.8164, 86.0566



70.8979, 77.8164, 67.9243

Complementary

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



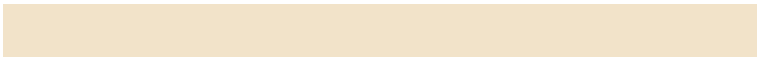
70.1241, 77.8164, 102.5909



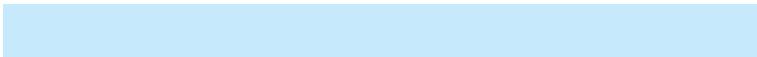
74.2779, 73.1876, 63.6395

Split Complementary

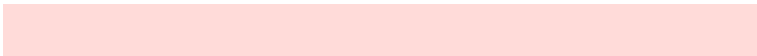
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.4243, 77.8164, 66.1869



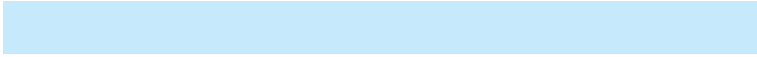
70.1241, 77.8164, 102.5909



80.4479, 77.8164, 76.1369

Square

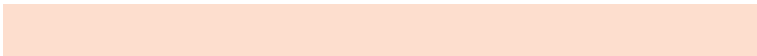
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.1241, 77.8164, 102.5909



79.9611, 77.8164, 96.4162



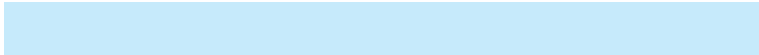
77.9378, 77.8164, 69.0706



68.2710, 77.8164, 74.0263

Rectangle

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



70.1241, 77.8164, 102.5909



75.9452, 77.8164, 105.5637



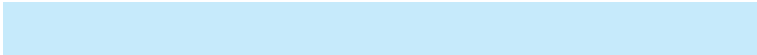
77.9378, 77.8164, 69.0706



72.0140, 77.8164, 66.8333

Sweetspot

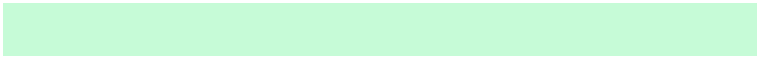
The Sweet Spot groups the original color and five complimentary colors.



70.1264, 77.8196, 102.5927



88.0980, 94.1220, 108.1318



70.0253, 85.8967, 77.0347



18.7008, 20.0130, 23.1272



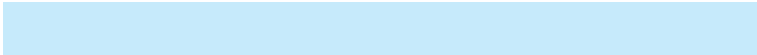
0.0000, 0.0000, 0.0000



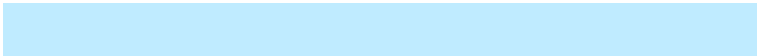
20.3446, 21.4041, 23.3091

Same Dimension

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



70.1264, 77.8196, 102.5927



69.1799, 77.4911, 105.9188



63.1898, 63.9463, 100.2804



17.2690, 18.6149, 22.0682



16.8959, 19.1473, 50.7788



1.6606, 1.9649, 4.7349

Inverse Universe

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



74.8309, 66.8398, 86.8028



74.8566, 64.6032, 86.7850



81.5173, 87.6664, 66.0527



17.7423, 17.4243, 20.4989



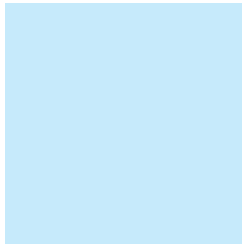
24.8203, 12.3438, 21.5598



2.3471, 1.1626, 2.2513

Previews

White Background



This preview shows how the XYZ color 70.1241, 77.8164, 102.5909 looks on a white background.

Color Contrast Check

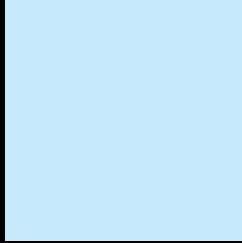
Large Text (above 18pt) WCAG AA × Fail

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 70.1241, 77.8164, 102.5909 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 70.1241, 77.8164, 102.5909

Background



This preview shows how black text looks on a background with the XYZ color 70.1241, 77.8164, 102.5909.



This preview shows how white text looks on a background with the XYZ color 70.1241, 77.8164,

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

70.1241, 77.8164, 102.5909

Protanopia

75.5095, 77.3774, 98.1443

Deuteranopia

79.2706, 77.5755, 104.5615



Tritanopia

70.2822, 77.8797, 103.4235

Trichromacy



Original Color

70.1241, 77.8164, 102.5909

Protanomaly

73.2815, 77.4149, 99.8872

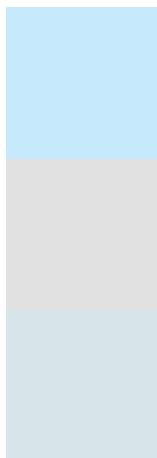
Deuteranomaly

75.3574, 77.1725, 103.8525

Tritanomaly

70.2822, 77.8797, 103.4235

Monochromacy



Original Color

70.1241, 77.8164, 102.5909

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

70.6190, 75.8744, 88.7651

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.1241, 77.8164, 102.5909 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(198, 234, 251)` looks like.

```
.text, #text, p{  
    color:rgb(198, 234, 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(198, 234, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 234, 251) }
```

Border

The CSS property to change the border of an element to XYZ 70.1241, 77.8164, 102.5909 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(198, 234, 251) }
```


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

```
.border{ border-color:rgb(198, 234, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 234, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 234, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 234, 251);  
box-shadow:4px 4px 4px 4px rgb(198, 234,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 70.1241, 77.8164, 102.5909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 234, 251) }
```

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

```
.background{ background-color: rgb(198,  
234, 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](#).

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