

Converting Colors

XYZ(69.4303, 77.8460,
104.2949)

Have a look what the booklet for
XYZ(69.4303, 77.8460, 104.2949)
contains.

XYZ(69.4303, 77.8460, 104.2949)	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(69.4303, 77.8460,
104.2949)**

Conversions

Conversions Part 1

Format	Color
Hex	C1EBFD
RGB	193, 235, 253
RGB Percent	76%, 92%, 99%
CMY	0.2431, 0.0784, 0.0078
CMYK	0.24, 0.07, 0.00, 0.01
HSL	198°, 94%, 87%
HSV	198°, 24%, 99%
XYZ	69.4303, 77.8460, 104.2949
YIQ	224.4940, -30.8100, -3.3060

Conversions

Conversions Part 2

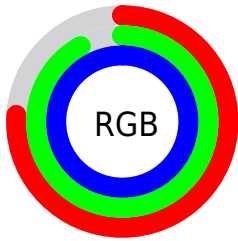
Format	Color
RYB	193, 218, 253
Decimal	12708861
CIELab	90.71, -9.65, -13.17
CIElCh	91, 16.326, 233.765
Yxy	77.8460, 0.2760, 0.3094
Android (android.graphics.Color)	4290898941 (0xFFC1EBFD)
YUV	224.4940, 14.0535, -27.6202
Hunter-Lab	88.2304, -13.9378, -8.3239

Details

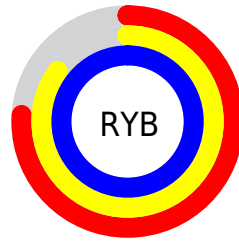
The XYZ color **69.4303, 77.8460, 104.2949** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.4288, 71.3218, 60.3502**, and the grayscale version is **71.1252, 74.8292, 81.4890**.

A 20% lighter version of the original color is **93.2343, 99.0640, 108.8150**, and **36.5651, 41.6290, 58.3326** is the 20% darker color. If you saturate the color by 10%, you get **61.3981, 70.5501, 103.3113**, and if you desaturate by 10%, it is **78.6632, 85.9024, 105.3646**.

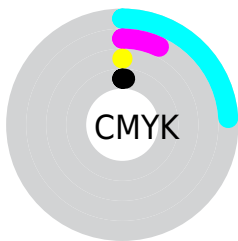
Distribution



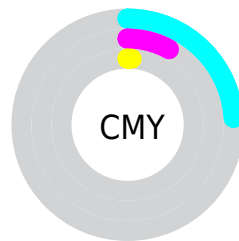
- Red (76%)
- Green (92%)
- Blue (99%)



- Red (76%)
- Yellow (85%)
- Blue (99%)



- Cyan (24%)
- Magenta (7%)
- Yellow (0%)
- Black (1%)



- Cyan (24%)
- Magenta (8%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.4303, 77.8460, 104.2949 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 69.4303, 77.8460, 104.2949 by changing the saturation by 10% instead.

69.4303, 77.8460,
104.2949

69.4303, 77.8460,
104.2949

447.8448,
487.6437, 595.2404

51.3401, 57.9475,
79.2554

117.4267,
130.3330, 169.1501

36.7015, 41.7664,
58.5833

148.0636,
163.6903, 209.8029

25.1491, 28.9184,
41.8599

183.6135,
202.3026, 256.4972

16.3175, 19.0191,
28.6669

224.4417,
246.5544, 309.6516

9.8414, 11.6841,
18.5856

270.9136,
296.8300, 369.6845

5.3554, 6.5290,
11.1974

323.3945,

2.4941, 3.1693,

353.5138, 437.0146

6.0840

382.2498,
416.9902, 512.0604

■ 0.8923, 1.2208,
2.8266

■ 0.0000, 0.0786,
1.0068

■ 69.4303, 77.8460,
104.2949

■ 69.4303, 77.8460,
104.2949

■ 61.3981, 70.5501,
103.3113

■ 78.6632, 85.9024,
105.3646

■ 54.5022, 63.9740,
102.4054

■ 89.1429, 94.7388,
106.5179

■ 48.6828, 58.0870,
101.5758

■ 94.7299, 99.8719,
107.2142

■ 43.8713, 52.8520,
100.8190

■ 39.9906, 48.2276,
100.1309

■ 36.9515, 44.1658,
99.5071

■ 34.6458, 40.6090,
98.9421

■ 33.4742, 38.5807,
98.6123

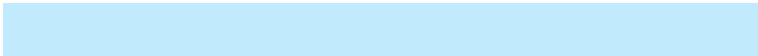
Harmonies

Analogous

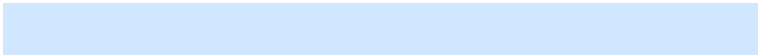
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.0114, 77.8460, 94.1832



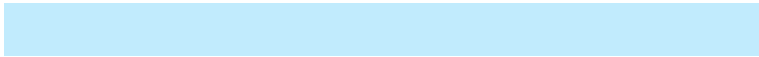
69.4303, 77.8460, 104.2949



73.1380, 77.8460, 109.2282

Triad

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



69.4303, 77.8460, 104.2949



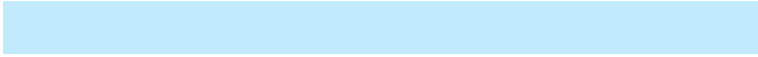
82.1019, 77.8460, 87.2352



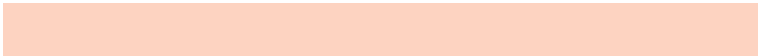
70.8604, 77.8460, 65.7422

Complementary

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



69.4303, 77.8460, 104.2949



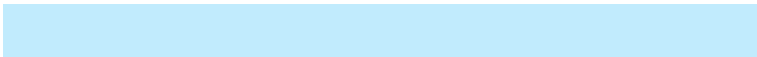
73.4288, 71.3218, 60.3502

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.



74.8492, 77.8460, 64.2511



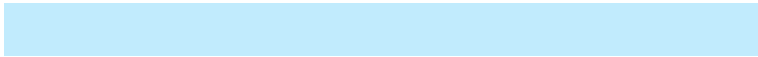
69.4303, 77.8460, 104.2949



81.4376, 77.8460, 75.9893

Square

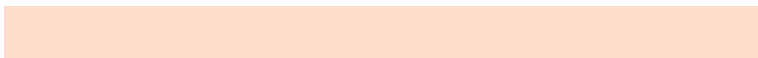
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.4303, 77.8460, 104.2949



80.5289, 77.8460, 98.8102



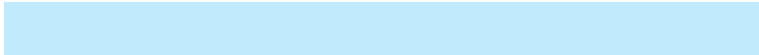
78.7457, 77.8460, 67.8325



67.8155, 77.8460, 72.1111

Rectangle

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



69.4303, 77.8460, 104.2949



75.8809, 77.8460, 108.6200



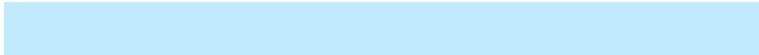
78.7457, 77.8460, 67.8325



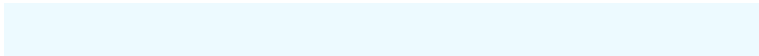
72.1314, 77.8460, 64.6799

Sweetspot

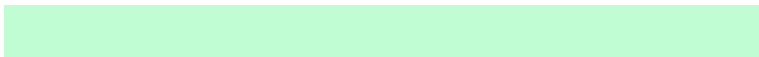
The Sweet Spot groups the original color and five complimentary colors.



69.4326, 77.8492, 104.2967



87.1008, 93.4016, 108.0454



68.7520, 86.2426, 73.9974



18.5029, 19.8741, 23.1108



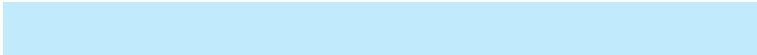
0.0000, 0.0000, 0.0000



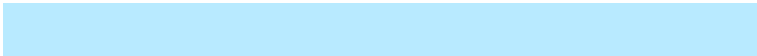
20.3446, 21.4041, 23.3091

Same Dimension

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



69.4326, 77.8492, 104.2967



67.0258, 75.9696, 105.7387



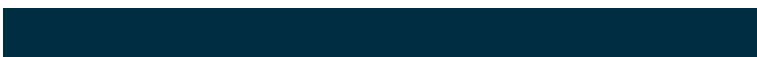
61.7949, 62.5737, 101.7508



18.0679, 19.5074, 23.0630



17.9405, 20.7907, 52.5020



1.8426, 2.2158, 5.1439

Inverse Universe

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



74.5753, 65.0226, 87.2209



73.0890, 61.2916, 85.5066



81.2952, 87.0546, 62.9724



18.5469, 18.2021, 21.4972



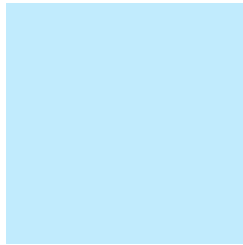
25.8438, 12.8268, 23.6254



2.5646, 1.2682, 2.5548

Previews

White Background



This preview shows how the XYZ color 69.4303, 77.8460, 104.2949 looks on a white background.

Color Contrast Check

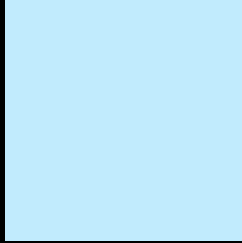
Large Text (above 18pt) WCAG AA × Fail

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 69.4303, 77.8460, 104.2949 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 69.4303, 77.8460, 104.2949

Background



This preview shows how black text looks on a background with the XYZ color 69.4303, 77.8460, 104.2949.



This preview shows how white text looks on a background with the XYZ color 69.4303, 77.8460,

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

69.4303, 77.8460, 104.2949

Protanopia

75.5037, 77.3388, 99.7553

Deuteranopia

79.0963, 77.4671, 105.3916



Tritanopia

69.5900, 77.9099, 105.1363

Trichromacy



Original Color

69.4303, 77.8460, 104.2949

Protanomaly

73.0062, 77.2369, 101.5029

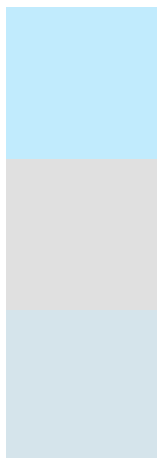
Deuteranomaly

75.1773, 77.4661, 104.7561

Tritanomaly

69.5900, 77.9099, 105.1363

Monochromacy



Original Color

69.4303, 77.8460, 104.2949

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

70.1794, 75.6311, 89.4967

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.4303, 77.8460, 104.2949 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, 235, 253)` looks like.

```
.text, #text, p{  
    color:rgb(193, 235, 253)  
}
```

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, 235, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 235, 253) }
```

Border

The CSS property to change the border of an element to XYZ 69.4303, 77.8460, 104.2949 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, 235, 253) }
```


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

```
.border{ border-color:rgb(193, 235, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 235, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 235, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 235, 253);  
box-shadow:4px 4px 4px 4px rgb(193, 235,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 69.4303, 77.8460, 104.2949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 235, 253) }
```

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

```
.background{ background-color: rgb(193,  
235, 253) }
```

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