

Converting Colors

XYZ(70.0090, 77.1068,
101.5535)

Have a look what the booklet for
XYZ(70.0090, 77.1068, 101.5535)
contains.

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Color

**XYZ(69.9313, 76.8947,
101.5989)**

Conversions

Conversions Part 1

Format	Color
Hex	C8E8FA
RGB	200, 232, 250
RGB Percent	78%, 91%, 98%
CMY	0.2157, 0.0902, 0.0196
CMYK	0.20, 0.07, 0.00, 0.02
HSL	202°, 83%, 88%
HSV	202°, 20%, 98%
XYZ	69.9313, 76.8947, 101.5989
YIQ	224.4840, -24.8500, -1.1860

Conversions

Conversions Part 2

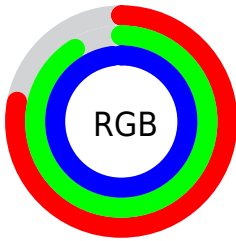
Format	Color
R _Y B	200, 220, 250
Decimal	13166842
CIE Lab	90.27, -6.69, -12.21
CIE LCh	90, 13.919, 241.282
Yxy	76.8947, 0.2815, 0.3095
Android (android.graphics.Color)	4291356922 (0xFFC8E8FA)
YUV	224.4840, 12.5794, -21.4725
Hunter-Lab	87.6896, -11.1055, -7.3118

Details

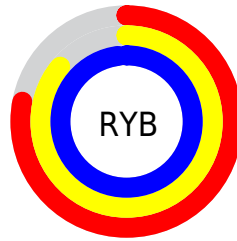
The XYZ color **69.9313, 76.8947, 101.5989** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.9217, 74.6369, 65.1026**, and the grayscale version is **71.1251, 74.8292, 81.4889**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.9400, 40.9655, 56.9991** is the 20% darker color. If you saturate the color by 10%, you get **61.3246, 68.7951, 100.4904**, and if you desaturate by 10%, it is **79.7640, 85.8228, 102.8052**.

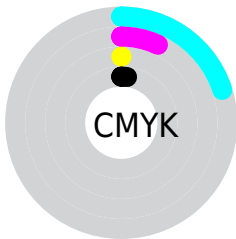
Distribution



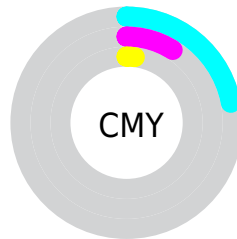
- Red (78%)
- Green (91%)
- Blue (98%)



- Red (78%)
- Yellow (86%)
- Blue (98%)



- Cyan (20%)
- Magenta (7%)
- Yellow (0%)
- Black (2%)



- Cyan (22%)
- Magenta (9%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.9313, 76.8947, 101.5989 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 69.9313, 76.8947, 101.5989 by changing the saturation by 10% instead.

■ 69.9313, 76.8947,
101.5989

■ 69.9313, 76.8947,
101.5989

449.5789,
484.4049, 586.5972

■ 51.7499, 57.1665,
77.0122

118.1376,
128.9908, 165.4237

■ 37.0292, 41.1389,
56.7513

148.8932,
162.1275, 205.4989

■ 25.4039, 28.4276,
40.3976

184.5709,
200.5024, 251.5740

■ 16.5086, 18.6483,
27.5325

225.5362,
244.5000, 304.0676

■ 9.9779, 11.4164,
17.7376

272.1542,
294.5047, 363.3981

■ 5.4464, 6.3476,
10.5943

324.7904,

■ 2.5489, 3.0576,

350.9008, 429.9842

5.6840

383.8102,
414.0727, 504.2444

■ 0.9200, 1.1619,
2.5882

■ 0.0000, 0.0302,
0.8864

■ 69.9313, 76.8947,
101.5989

■ 69.9313, 76.8947,
101.5989

■ 61.3246, 68.7951,
100.4904

■ 79.7640, 85.8228,
102.8052

■ 53.8821, 61.4834,
99.4714

■ 90.8671, 95.5992,
104.1070

■ 47.5468, 54.9293,
98.5402

■ 94.2556, 99.6822,
104.7166

■ 42.2536, 49.0962,
97.6933

■ 37.9302, 43.9438,
96.9266

■ 34.4940, 39.4264,
96.2358

■ 31.8472, 35.4903,
95.6155

■ 29.8292, 32.0494,
95.0577

■ 29.8291, 32.0492,
95.0577

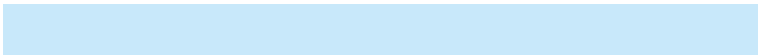
Harmonies

Analogous

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



67.5387, 76.8947, 94.0291



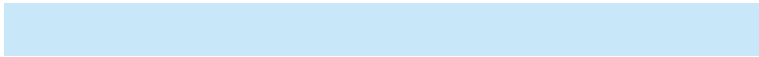
69.9313, 76.8947, 101.5989



73.2353, 76.8947, 104.2870

Triad

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



69.9313, 76.8947, 101.5989



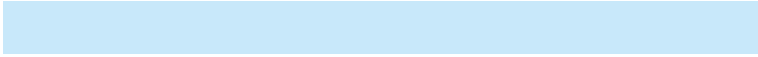
79.9514, 76.8947, 83.2990



69.6808, 76.8947, 68.4540

Complementary

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



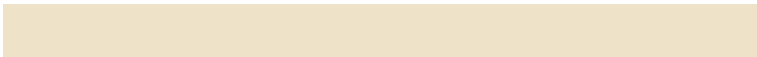
69.9313, 76.8947, 101.5989



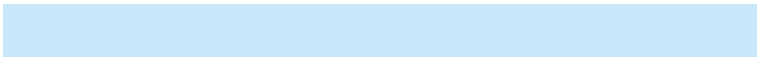
74.9217, 74.6369, 65.1026

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.



72.9371, 76.8947, 66.0611



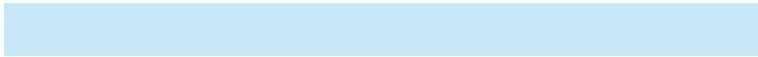
69.9313, 76.8947, 101.5989



78.9292, 76.8947, 74.2030

Square

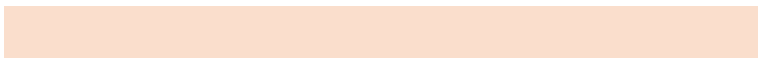
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.9313, 76.8947, 101.5989



79.0862, 76.8947, 93.2323



76.3344, 76.8947, 68.0813



67.3974, 76.8947, 74.8875

Rectangle

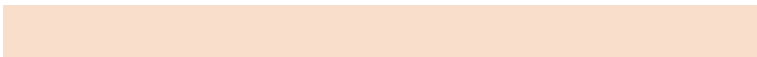
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.9313, 76.8947, 101.5989



75.5311, 76.8947, 102.7933



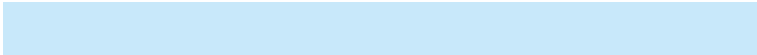
76.3344, 76.8947, 68.0813



70.6944, 76.8947, 67.1743

Sweetspot

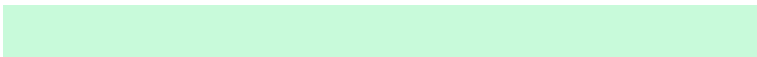
The Sweet Spot groups the original color and five complimentary colors.



69.9336, 76.8978, 101.6006



87.9116, 93.7493, 108.0697



70.5960, 85.6878, 78.8072



18.6567, 19.9248, 23.1125



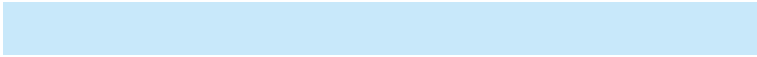
0.0000, 0.0000, 0.0000



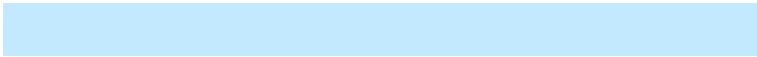
20.3446, 21.4041, 23.3091

Same Dimension

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



69.9336, 76.8978, 101.6006



69.3777, 76.9246, 105.7991



63.5104, 64.0514, 99.4596



17.2096, 18.4961, 22.0484



15.9633, 17.2822, 50.4680



1.5789, 1.8014, 4.7077

Inverse Universe

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



74.6459, 67.4604, 85.4344



75.1912, 65.6362, 85.7755



81.7522, 88.2979, 67.3795



17.7124, 17.4123, 20.3410



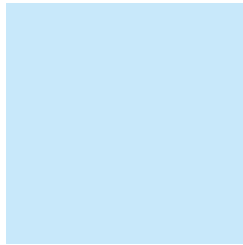
24.3496, 12.1555, 19.0811



2.3059, 1.1461, 2.0341

Previews

White Background



This preview shows how the XYZ color 69.9313, 76.8947, 101.5989 looks on a white background.

Color Contrast Check

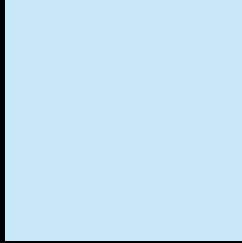
Large Text (above 18pt) WCAG AA × Fail

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 69.9313, 76.8947, 101.5989 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

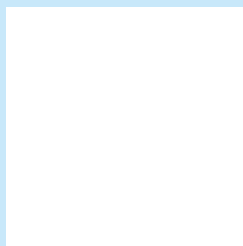
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.9313, 76.8947, 101.5989

Background



This preview shows how black text looks on a background with the XYZ color 69.9313, 76.8947, 101.5989.

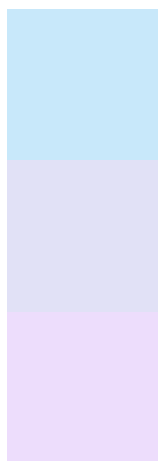


This preview shows how white text looks on a background with the XYZ color 69.9313, 76.8947,

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

69.9313, 76.8947, 101.5989

Protanopia

74.6111, 76.5118, 98.0246

Deuteranopia

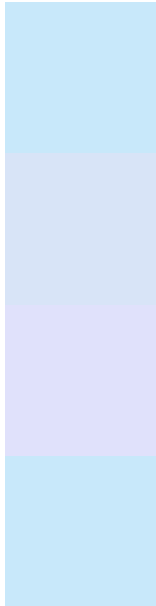
78.3522, 76.7457, 102.7793



Tritanopia

69.9313, 76.8947, 101.5989

Trichromacy



Original Color

69.9313, 76.8947, 101.5989

Protanomaly

72.8508, 76.8011, 98.9801

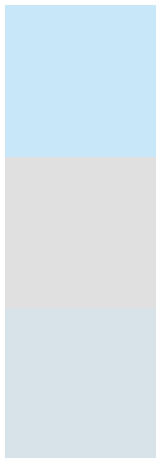
Deuteranomaly

75.0783, 76.6628, 102.1071

Tritanomaly

69.9313, 76.8947, 101.5989

Monochromacy



Original Color

69.9313, 76.8947, 101.5989

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

70.2014, 75.2684, 87.9190

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.9313, 76.8947, 101.5989 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(200, 232, 250)` looks like.

```
.text, #text, p{  
    color:rgb(200, 232, 250)  
}
```

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(200, 232, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 232, 250) }
```

Border

The CSS property to change the border of an element to XYZ 69.9313, 76.8947, 101.5989 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(200, 232, 250) }
```


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

```
.border{ border-color:rgb(200, 232, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 232, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 232, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 232, 250);  
box-shadow:4px 4px 4px 4px rgb(200, 232,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 69.9313, 76.8947, 101.5989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 232, 250) }
```

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

```
.background{ background-color: rgb(200,  
232, 250) }
```

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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