

Converting Colors

XYZ(72.9572, 81.8682,
123.9281)

Have a look what the booklet for
XYZ(72.9572, 81.8682, 123.9281)
contains.

XYZ(69.5129, 80.4449, 106.4714)	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(69.5129, 80.4449,
106.4714)**

Conversions

Conversions Part 1

Format	Color
Hex	B9F1FF
RGB	185, 241, 255
RGB Percent	73%, 95%, 100%
CMY	0.2745, 0.0549, 0.0000
CMYK	0.27, 0.05, 0.00, 0.00
HSL	192°, 100%, 86%
HSV	192°, 27%, 100%
XYZ	69.5129, 80.4449, 106.4714
YIQ	225.8520, -37.8700, -7.5180

Conversions

Conversions Part 2

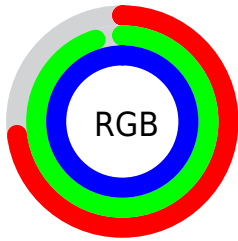
Format	Color
R_{YB}	185, 216, 255
Decimal	12186111
CIE _{Lab}	91.88, -14.53, -12.51
CIE _{LCh}	92, 19.173, 220.709
Y _{xy}	80.4449, 0.2711, 0.3137
Android (android.graphics.Color)	4290376191 (0xFFB9F1FF)
YUV	225.8520, 14.3700, -35.8272
Hunter-Lab	89.6911, -18.6173, -7.5988

Details

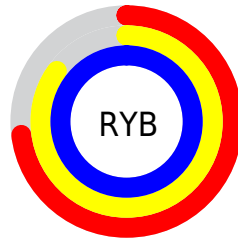
The XYZ color **69.5129, 80.4449, 106.4714** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.4204, 65.6092, 54.8531**, and the grayscale version is **72.1028, 75.8577, 82.6091**.

A 20% lighter version of the original color is **90.4279, 97.6172, 108.6837**, and **36.7479, 43.5210, 59.8896** is the 20% darker color. If you saturate the color by 10%, you get **62.4165, 74.5793, 105.7133**, and if you desaturate by 10%, it is **77.7591, 86.9700, 107.2963**.

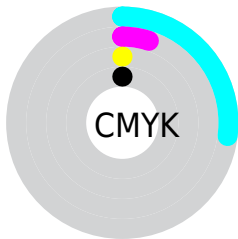
Distribution



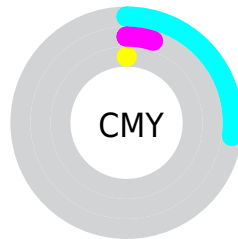
- Red (73%)
- Green (95%)
- Blue (100%)



- Red (73%)
- Yellow (85%)
- Blue (100%)



- Cyan (27%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.5129, 80.4449, 106.4714 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 69.5129, 80.4449, 106.4714 by changing the saturation by 10% instead.

69.5129, 80.4449,
106.4714

69.5129, 80.4449,
106.4714

448.1310,
496.4309, 602.1703

51.4077, 60.0845,
81.0691

117.5439,
133.9911, 172.1515

36.7555, 43.4868,
60.0672

148.2004,
167.9456, 213.2663

25.1911, 30.2672,
43.0471

183.7714,
207.2004, 260.4557

16.3490, 20.0415,
29.5904

224.6222,
252.1398, 314.1382

9.8638, 12.4252,
19.2785

271.1183,
303.1481, 374.7324

5.3703, 7.0340,
11.6928

323.6248,

2.5031, 3.4834,

360.6098, 442.6568

6.4149

382.5073,
424.9093, 518.3299

■ 0.8968, 1.3890,
3.0261

■ 0.0000, 0.2086,
1.1080

■ 69.5129, 80.4449,
106.4714

■ 69.5129, 80.4449,
106.4714

■ 62.4165, 74.5793,
105.7133

■ 77.7591, 86.9700,
107.2963

■ 56.4041, 69.3327,
105.0175

■ 87.2034, 94.1739,
108.1890

■ 51.4130, 64.6743,
104.3814

95.0500, 100.0000,
108.9000

■ 47.3713, 60.5665,
103.8015

■ 44.1972, 56.9667,
103.2740

■ 41.7945, 53.8246,
102.7941

■ 40.0381, 51.0753,
102.3560

■ 39.6463, 50.4126,
102.2488

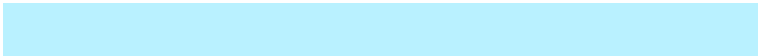
Harmonies

Analogous

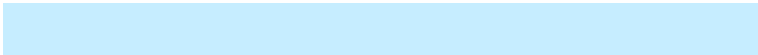
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.5388, 80.4449, 92.7211



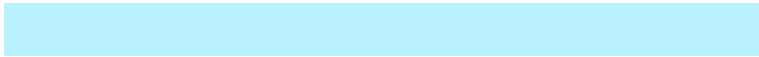
69.5129, 80.4449, 106.4714



73.3783, 80.4449, 115.7244

Triad

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



69.5129, 80.4449, 106.4714



85.7391, 80.4449, 96.8474



74.7164, 80.4449, 63.5808

Complementary

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



69.5129, 80.4449, 106.4714



70.4204, 65.6092, 54.8531

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.



79.6277, 80.4449, 64.4319



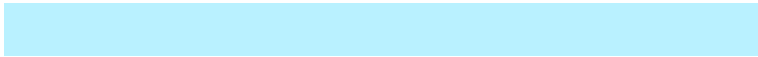
69.5129, 80.4449, 106.4714



86.1351, 80.4449, 82.6534

Square

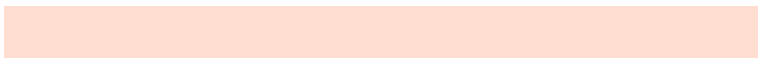
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.5129, 80.4449, 106.4714



82.7964, 80.4449, 109.7693



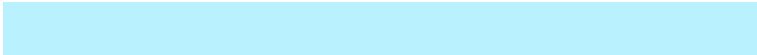
83.8562, 80.4449, 71.0857



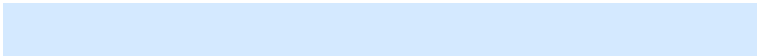
70.4563, 80.4449, 68.6210

Rectangle

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



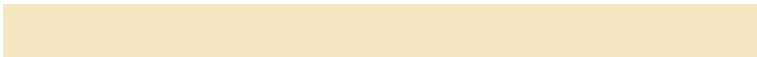
69.5129, 80.4449, 106.4714



76.5776, 80.4449, 117.5627



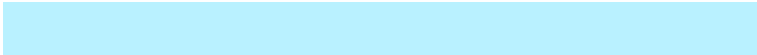
83.8562, 80.4449, 71.0857



76.3435, 80.4449, 63.2022

Sweetspot

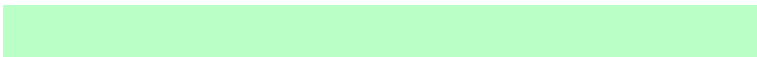
The Sweet Spot groups the original color and five complimentary colors.



69.5151, 80.4480, 106.4719



86.6516, 93.7593, 108.1381



65.9425, 85.9044, 66.4327



18.2282, 19.8280, 23.1164



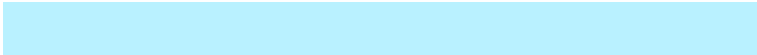
0.0000, 0.0000, 0.0000



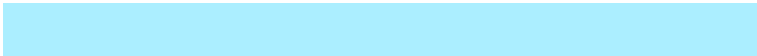
20.3446, 21.4041, 23.3091

Same Dimension

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



69.5151, 80.4480, 106.4719



65.4374, 77.1120, 106.0429



60.4122, 62.2423, 103.4376



18.2282, 19.8280, 23.1164



20.8245, 26.5586, 53.4633



2.1023, 2.7353, 5.2304

Inverse Universe

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



74.4675, 62.3105, 91.3250



71.2329, 56.5125, 88.1772



79.0894, 82.9470, 57.7427



18.6278, 18.2344, 21.9233



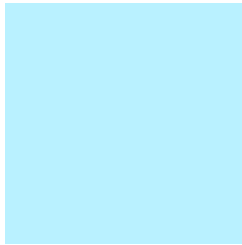
27.2994, 13.4091, 31.2910



2.6958, 1.3207, 3.2452

Previews

White Background



This preview shows how the XYZ color 69.5129, 80.4449, 106.4714 looks on a white background.

Color Contrast Check

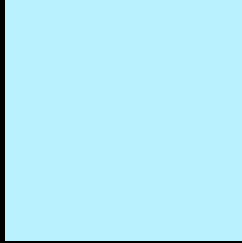
Large Text (above 18pt) WCAG AA × Fail

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 69.5129, 80.4449, 106.4714 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 69.5129, 80.4449, 106.4714

Background



This preview shows how black text looks on a background with the XYZ color 69.5129, 80.4449, 106.4714.

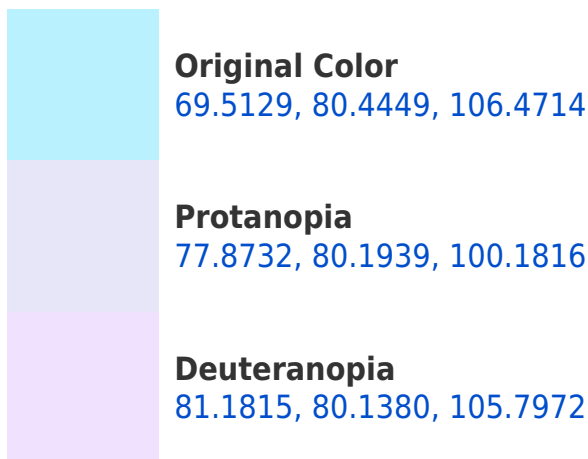


This preview shows how white text looks on a background with the XYZ color 69.5129, 80.4449,

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

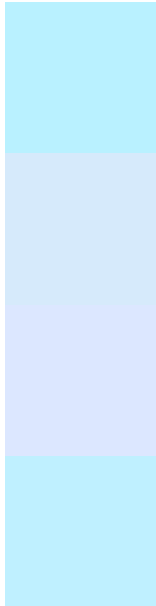




Tritanopia

71.1646, 80.4223, 106.3800

Trichromacy



Original Color

69.5129, 80.4449, 106.4714

Protanomaly

74.5670, 80.1068, 102.7988

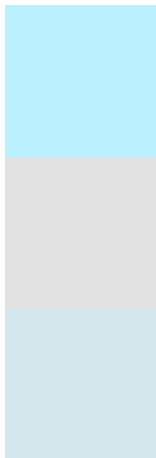
Deuteranomaly

76.1411, 79.5875, 105.9566

Tritanomaly

70.6959, 80.6165, 106.4422

Monochromacy



Original Color

69.5129, 80.4449, 106.4714

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

70.7259, 77.1151, 91.2778

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.5129, 80.4449, 106.4714 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(185, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(185, 241, 255)  
}
```

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(185, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 241, 255) }
```

Border

The CSS property to change the border of an element to XYZ 69.5129, 80.4449, 106.4714 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(185, 241, 255) }
```


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

```
.border{ border-color:rgb(185, 241, 255) }
```

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

Here you see how a box with a 4 pixel rgb(185, 241, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 241, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 241, 255);  
box-shadow:4px 4px 4px 4px rgb(185, 241,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 69.5129, 80.4449, 106.4714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 241, 255) }
```

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

```
.background{ background-color: rgb(185,  
241, 255) }
```

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