

Converting Colors

XYZ(80.5293, 85.2088,
165.6023)

Have a look what the booklet for
XYZ(80.5293, 85.2088, 165.6023)
contains.

XYZ(69.3306, 80.7915, 106.5480)	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(69.3306, 80.7915,
106.5480)**

Conversions

Conversions Part 1

Format	Color
Hex	B7F2FF
RGB	183, 242, 255
RGB Percent	72%, 95%, 100%
CMY	0.2823, 0.0510, 0.0000
CMYK	0.28, 0.05, 0.00, 0.00
HSL	191°, 100%, 86%
HSV	191°, 28%, 100%
XYZ	69.3306, 80.7915, 106.5480
YIQ	225.8410, -39.3370, -8.4650

Conversions

Conversions Part 2

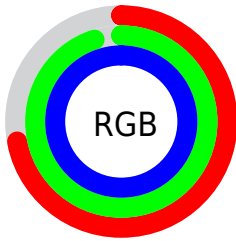
Format	Color
RYB	183, 215, 255
Decimal	12055295
CIELab	92.04, -15.60, -12.29
CIElCh	92, 19.853, 218.232
Yxy	80.7915, 0.2701, 0.3148
Android (android.graphics.Color)	4290245375 (0xFFB7F2FF)
YUV	225.8410, 14.3754, -37.5716
Hunter-Lab	89.8841, -19.6142, -7.3631

Details

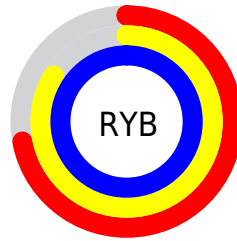
The XYZ color **69.3306, 80.7915, 106.5480** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.5273, 64.1585, 53.5210**, and the grayscale version is **72.0955, 75.8501, 82.6008**.

A 20% lighter version of the original color is **89.7452, 97.2653, 108.6517**, and **36.6540, 43.7842, 59.9454** is the 20% darker color. If you saturate the color by 10%, you get **62.4537, 75.2401, 105.8389**, and if you desaturate by 10%, it is **77.3450, 86.9846, 107.3209**.

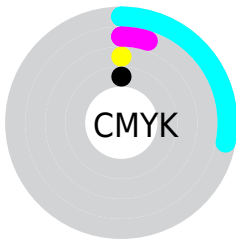
Distribution



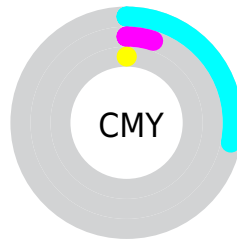
- Red (72%)
- Green (95%)
- Blue (100%)



- Red (72%)
- Yellow (84%)
- Blue (100%)



- Cyan (28%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (28%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.3306, 80.7915, 106.5480 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 69.3306, 80.7915, 106.5480 by changing the saturation by 10% instead.

69.3306, 80.7915,
106.5480

69.3306, 80.7915,
106.5480

447.4993,
497.5963, 602.4134

51.2586, 60.3699,
81.1329

117.2851,
134.4780, 172.2570

36.6363, 43.7168,
60.1195

147.8984,
168.5116, 213.3880

25.0984, 30.4480,
43.0890

183.4228,
207.8514, 260.5948

16.2795, 20.1789,
29.6230

224.2237,
252.8817, 314.2958

9.8143, 12.5251,
19.3030

270.6664,
303.9870, 374.9096

5.3373, 7.1024,
11.7104

323.1164,

2.4833, 3.5262,

361.5516, 442.8548

6.4267

381.9389,
425.9599, 518.5499

■ 0.8868, 1.4122,
3.0333

■ 0.0000, 0.2257,
1.1116

■ 69.3306, 80.7915,
106.5480

■ 69.3306, 80.7915,
106.5480

■ 62.4537, 75.2401,
105.8389

■ 77.3450, 86.9846,
107.3209

■ 56.6483, 70.2898,
105.1894

■ 86.5457, 93.8387,
108.1590

■ 51.8512, 65.9098,
104.5968

95.0500, 100.0000,
108.9000

■ 47.9901, 62.0624,
104.0576

■ 44.9823, 58.7045,
103.5680

■ 42.7303, 55.7856,
103.1233

■ 41.0999, 53.2360,
102.7171

■ 40.8436, 52.8071,
102.6479

Harmonies

Analogous

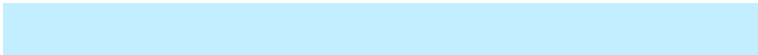
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.4741, 80.7915, 92.0572



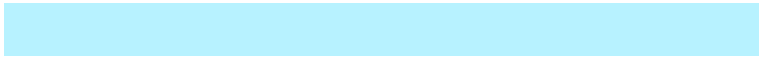
69.3306, 80.7915, 106.5480



73.2049, 80.7915, 116.7608

Triad

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



69.3306, 80.7915, 106.5480



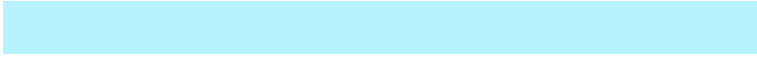
86.2767, 80.7915, 98.8171



75.3923, 80.7915, 62.9637

Complementary

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



69.3306, 80.7915, 106.5480



69.5273, 64.1585, 53.5210

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.



80.4901, 80.7915, 64.3468



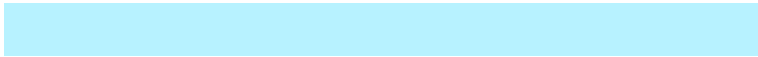
69.3306, 80.7915, 106.5480



86.9259, 80.7915, 84.0022

Square

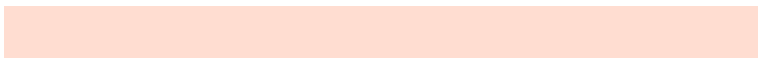
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



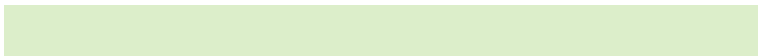
69.3306, 80.7915, 106.5480



83.0295, 80.7915, 111.9641



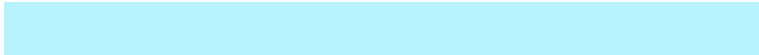
84.7659, 80.7915, 71.6846



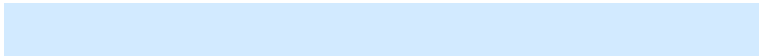
70.8710, 80.7915, 67.6719

Rectangle

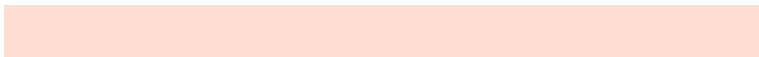
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



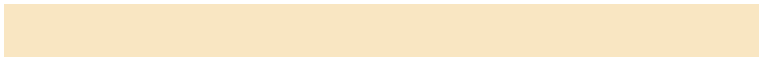
69.3306, 80.7915, 106.5480



76.4872, 80.7915, 119.1836



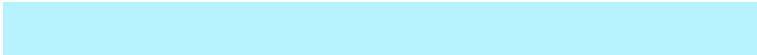
84.7659, 80.7915, 71.6846



77.0934, 80.7915, 62.7428

Sweetspot

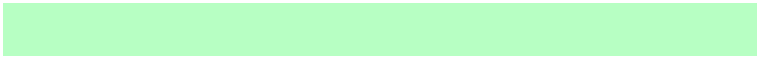
The Sweet Spot groups the original color and five complimentary colors.



69.3327, 80.7946, 106.5484



86.7755, 94.0072, 108.1794



65.1400, 85.5280, 64.7068



18.2596, 19.8909, 23.1269



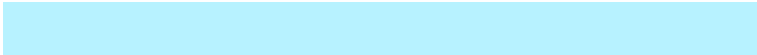
0.0000, 0.0000, 0.0000



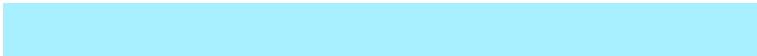
20.3446, 21.4041, 23.3091

Same Dimension

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



69.3327, 80.7946, 106.5484



65.2316, 77.5162, 106.1318



59.8927, 61.9145, 103.4018



18.2596, 19.8909, 23.1269



21.4427, 27.7949, 53.6694



2.1572, 2.8451, 5.2487

Inverse Universe

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



74.2019, 61.5395, 91.9754



70.9299, 55.6289, 88.9321



78.3639, 81.8315, 56.4665



18.6437, 18.2408, 22.0068



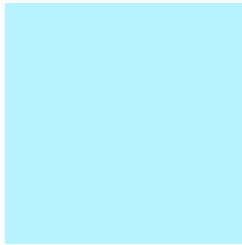
27.6115, 13.5339, 32.9341



2.7235, 1.3318, 3.3911

Previews

White Background



This preview shows how the XYZ color 69.3306, 80.7915, 106.5480 looks on a white background.

Color Contrast Check

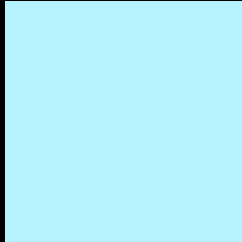
Large Text (above 18pt) WCAG AA × Fail

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 69.3306, 80.7915, 106.5480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

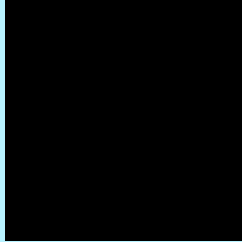
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.3306, 80.7915, 106.5480

Background



This preview shows how black text looks on a background with the XYZ color 69.3306, 80.7915, 106.5480.

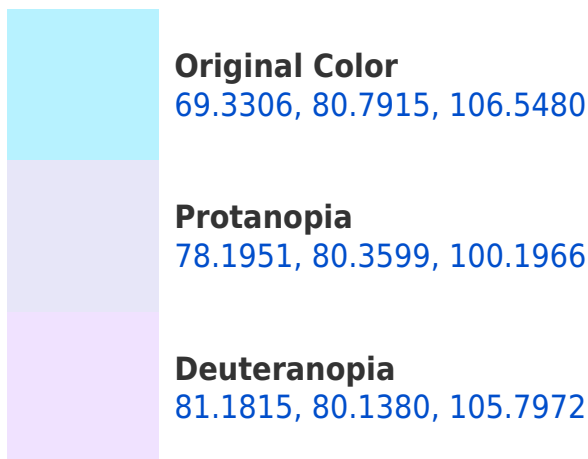


This preview shows how white text looks on a background with the XYZ color 69.3306, 80.7915,

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

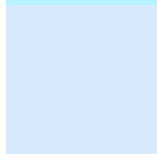
71.4222, 80.5551, 106.3921

Trichromacy



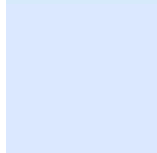
Original Color

69.3306, 80.7915, 106.5480



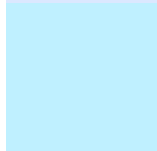
Protanomaly

74.5670, 80.1068, 102.7988



Deuteranomaly

76.1200, 79.9933, 106.0360



Tritanomaly

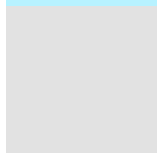
70.6959, 80.6165, 106.4422

Monochromacy



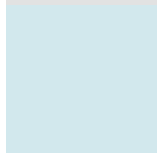
Original Color

69.3306, 80.7915, 106.5480



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

70.7210, 77.5293, 91.3580

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.3306, 80.7915, 106.5480 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(183, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(183, 242, 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(183, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 242, 255) }
```

Border

The CSS property to change the border of an element to XYZ 69.3306, 80.7915, 106.5480 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(183, 242, 255) }
```


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

```
.border{ border-color:rgb(183, 242, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(183, 242,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 69.3306, 80.7915, 106.5480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 242, 255) }
```

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

```
.background{ background-color: rgb(183,  
242, 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](#).

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