

Converting Colors

XYZ(68.9403, 78.9805,
106.2190)

Have a look what the booklet for
XYZ(68.9403, 78.9805, 106.2190)
contains.

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Color

**XYZ(68.8742, 78.8082,
106.1892)**

Conversions

Conversions Part 1

Format	Color
Hex	BAEEFF
RGB	186, 238, 255
RGB Percent	73%, 93%, 100%
CMY	0.2706, 0.0666, 0.0000
CMYK	0.27, 0.07, 0.00, 0.00
HSL	195°, 100%, 86%
HSV	195°, 27%, 100%
XYZ	68.8742, 78.8082, 106.1892
YIQ	224.3900, -36.4490, -5.7370

Conversions

Conversions Part 2

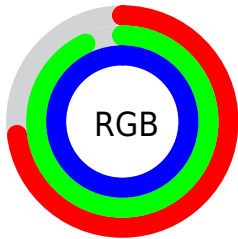
Format	Color
R _Y B	186, 216, 255
Decimal	12250879
CIE _{Lab}	91.15, -12.74, -13.60
CIE _{LCh}	91, 18.637, 226.864
Y _{xy}	78.8082, 0.2713, 0.3104
Android (android.graphics.Color)	4290440959 (0xFFBAEEFF)
YUV	224.3900, 15.0907, -33.6680
Hunter-Lab	88.7740, -16.8674, -8.7794

Details

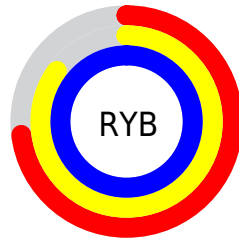
The XYZ color **68.8742, 78.8082, 106.1892** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.4588, 67.5164, 55.7217**, and the grayscale version is **71.0463, 74.7463, 81.3987**.

A 20% lighter version of the original color is **90.7721, 97.7947, 108.6998**, and **36.2811, 42.3584, 59.6899** is the 20% darker color. If you saturate the color by 10%, you get **61.4268, 72.3032, 105.3261**, and if you desaturate by 10%, it is **77.4951, 86.0168, 107.1262**.

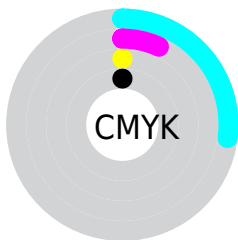
Distribution



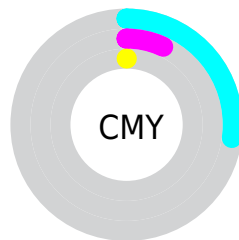
- Red (73%)
- Green (93%)
- Blue (100%)



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



- Cyan (27%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.8742, 78.8082, 106.1892 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 68.8742, 78.8082, 106.1892 by changing the saturation by 10% instead.

68.8742, 78.8082,
106.1892

68.8742, 78.8082,
106.1892

445.9155,
490.9073, 601.2741

50.8855, 58.7381,
80.8338

116.6369,
131.6888, 171.7627

36.3382, 42.4023,
59.8745

147.1417,
165.2681, 212.8178

24.8668, 29.4165,
42.8929

182.5492,
204.1193, 259.9432

16.1061, 19.3961,
29.4703

223.2248,
248.6268, 313.5575

9.6906, 11.9568,
19.1882

269.5339,
299.1749, 374.0792

5.2550, 6.7143,
11.6282

321.8418,

2.4339, 3.2841,

356.1481, 441.9269

6.3716

380.5139,
419.9308, 517.5190

■ 0.8620, 1.2818,
2.9999

■ 0.0000, 0.1270,
1.0946

■ 68.8742, 78.8082,
106.1892

■ 68.8742, 78.8082,
106.1892

■ 61.4268, 72.3032,
105.3261

■ 77.4951, 86.0168,
107.1262

■ 55.0871, 66.4611,
104.5326

■ 87.3381, 93.9492,
108.1385

■ 49.7923, 61.2504,
103.8059

95.0500, 100.0000,
108.9000

■ 45.4705, 56.6331,
103.1425

■ 42.0401, 52.5662,
102.5383

■ 39.4052, 48.9993,
101.9887

■ 37.4438, 45.8683,
101.4877

■ 36.9410, 45.0021,
101.3470

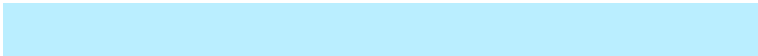
Harmonies

Analogous

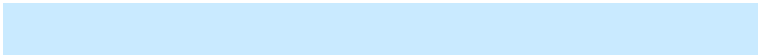
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.5576, 78.8082, 93.5652



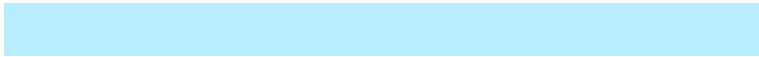
68.8742, 78.8082, 106.1892



72.8628, 78.8082, 113.6652

Triad

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



68.8742, 78.8082, 106.1892



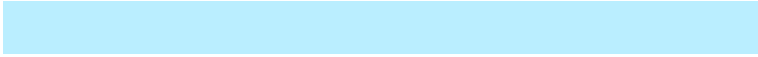
84.0871, 78.8082, 91.8473



72.3049, 78.8082, 63.2777

Complementary

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



68.8742, 78.8082, 106.1892



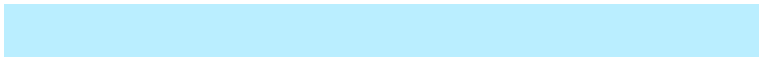
71.4588, 67.5164, 55.7217

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.



76.9847, 78.8082, 62.9215



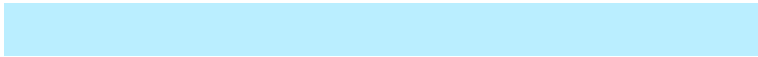
68.8742, 78.8082, 106.1892



83.9223, 78.8082, 78.4933

Square

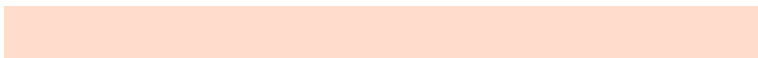
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



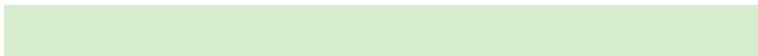
68.8742, 78.8082, 106.1892



81.7188, 78.8082, 104.8184



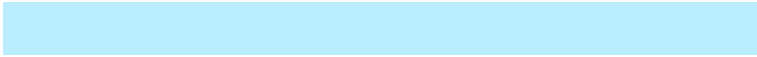
81.2776, 78.8082, 68.2185



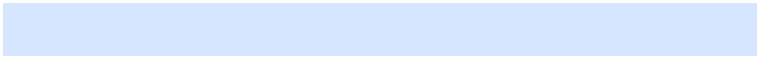
68.4806, 78.8082, 69.2487

Rectangle

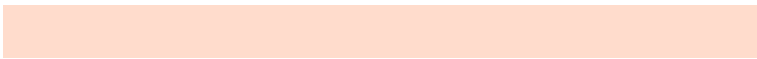
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.8742, 78.8082, 106.1892



75.9938, 78.8082, 114.2614



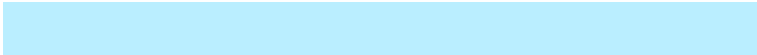
81.2776, 78.8082, 68.2185



73.8264, 78.8082, 62.5211

Sweetspot

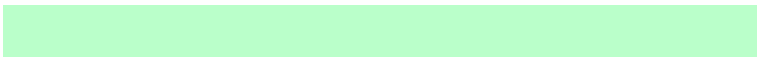
The Sweet Spot groups the original color and five complimentary colors.



68.8763, 78.8113, 106.1897



86.3569, 93.1699, 108.0398



66.6832, 86.2286, 69.0698



18.1536, 19.6788, 23.0915



0.0000, 0.0000, 0.0000



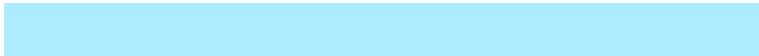
20.3446, 21.4041, 23.3091

Same Dimension

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



68.8763, 78.8113, 106.1897



65.0520, 75.5095, 105.7539



59.9890, 61.0366, 103.2272



18.1536, 19.6788, 23.0915



19.4262, 23.7620, 52.9972



1.9772, 2.4851, 5.1887

Inverse Universe

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



74.2328, 62.5524, 89.0538



71.2414, 57.2932, 85.8256



80.2720, 85.1428, 58.6594



18.5902, 18.2194, 21.7251



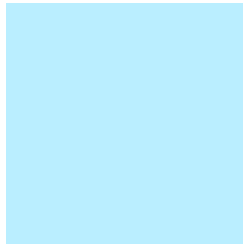
26.5936, 13.1268, 27.5743



2.6326, 1.2954, 2.9127

Previews

White Background



This preview shows how the XYZ color 68.8742, 78.8082, 106.1892 looks on a white background.

Color Contrast Check

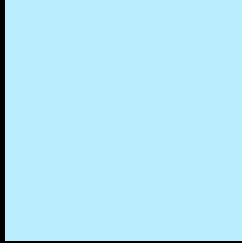
Large Text (above 18pt) WCAG AA × Fail

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 68.8742, 78.8082, 106.1892 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

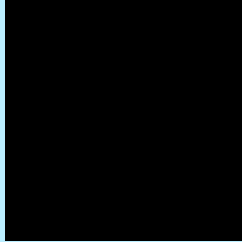
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.8742, 78.8082, 106.1892

Background



This preview shows how black text looks on a background with the XYZ color 68.8742, 78.8082, 106.1892.

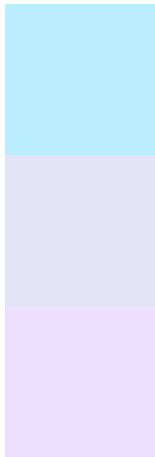


This preview shows how white text looks on a background with the XYZ color 68.8742, 78.8082,

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

68.8742, 78.8082, 106.1892

Protanopia

76.0909, 78.0464, 99.8610

Deuteranopia

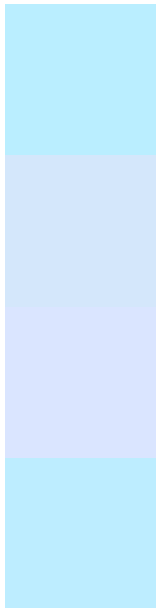
79.6307, 78.5358, 105.5697



Tritanopia

69.5694, 78.7355, 106.1385

Trichromacy



Original Color

68.8742, 78.8082, 106.1892

Protanomaly

73.1399, 78.1139, 102.4894

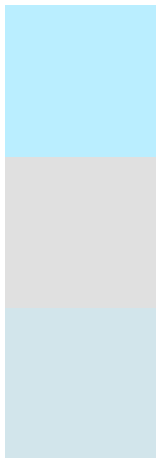
Deuteranomaly

74.9828, 78.1640, 105.7429

Tritanomaly

69.3205, 78.6072, 106.1269

Monochromacy



Original Color

68.8742, 78.8082, 106.1892

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

69.5930, 75.7384, 89.5483

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.8742, 78.8082, 106.1892 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(186, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(186, 238, 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(186, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 238, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.8742, 78.8082, 106.1892 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(186, 238, 255) }
```


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

```
.border{ border-color:rgb(186, 238, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(186, 238,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.8742, 78.8082, 106.1892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 238, 255) }
```

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

```
.background{ background-color: rgb(186,  
238, 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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