

Converting Colors

XYZ(69.8024, 78.9547,
106.1685)

Have a look what the booklet for
XYZ(69.8024, 78.9547, 106.1685)
contains.

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Color

**XYZ(69.8200, 78.8647,
106.1503)**

Conversions

Conversions Part 1

Format	Color
Hex	BFEDFF
RGB	191, 237, 255
RGB Percent	75%, 93%, 100%
CMY	0.2510, 0.0706, 0.0000
CMYK	0.25, 0.07, 0.00, 0.00
HSL	197°, 100%, 87%
HSV	197°, 25%, 100%
XYZ	69.8200, 78.8647, 106.1503
YIQ	225.2980, -33.1940, -4.1540

Conversions

Conversions Part 2

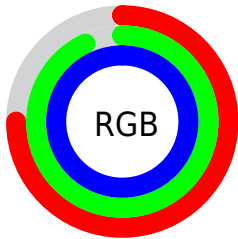
Format	Color
R_{YB}	191, 218, 255
Decimal	12578303
CIE _{Lab}	91.17, -10.81, -13.53
CIE _{LCh}	91, 17.317, 231.388
Y _{xy}	78.8647, 0.2740, 0.3095
Android (android.graphics.Color)	4290768383 (0xFFBFEDFF)
YUV	225.2980, 14.6431, -30.0793
Hunter-Lab	88.8058, -15.0717, -8.7058

Details

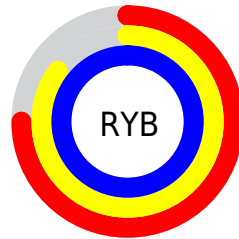
The XYZ color **69.8200, 78.8647, 106.1503** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.4443, 70.6218, 59.0523**, and the grayscale version is **71.6992, 75.4331, 82.1466**.

A 20% lighter version of the original color is **92.5214, 98.6965, 108.7817**, and **36.8703, 42.3592, 59.6590** is the 20% darker color. If you saturate the color by 10%, you get **61.9226, 71.7748, 105.1980**, and if you desaturate by 10%, it is **78.9211, 86.7024, 107.1834**.

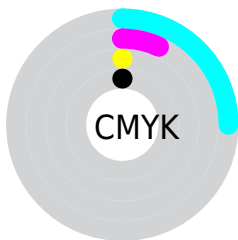
Distribution



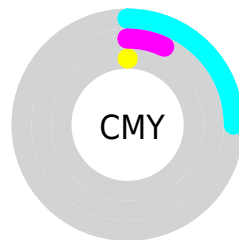
- Red (75%)
- Green (93%)
- Blue (100%)



- Red (75%)
- Yellow (85%)
- Blue (100%)



- Cyan (25%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (25%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.8200, 78.8647, 106.1503 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 69.8200, 78.8647, 106.1503 by changing the saturation by 10% instead.

69.8200, 78.8647,
106.1503

69.8200, 78.8647,
106.1503

449.1940,
491.0985, 601.1505

51.6589, 58.7846,
80.8013

117.9797,
131.7684, 171.7091

36.9564, 42.4397,
59.8480

148.7090,
165.3607, 212.7560

25.3473, 29.4458,
42.8716

184.3583,
204.2259, 259.8726

16.4661, 19.4183,
29.4537

225.2932,
248.7483, 313.4775

9.9475, 11.9729,
19.1758

271.8788,
299.3124, 373.9892

5.4262, 6.7252,
11.6193

324.4806,

2.5367, 3.2909,

356.3025, 441.8262

6.3656

383.4639,
420.1031, 517.4072

■ 0.9138, 1.2854,
2.9963

■ 0.0000, 0.1299,
1.0927

■ 69.8200, 78.8647,
106.1503

■ 69.8200, 78.8647,
106.1503

■ 61.9226, 71.7748,
105.1980

■ 78.9211, 86.7024,
107.1834

■ 55.1637, 65.3916,
104.3222

■ 89.2741, 95.3081,
108.2988

■ 49.4813, 59.6838,
103.5199

95.0500, 100.0000,
108.9000

■ 44.8048, 54.6135,
102.7877

■ 41.0544, 50.1379,
102.1215

■ 38.1373, 46.2079,
101.5167

■ 35.9392, 42.7628,
100.9676

■ 35.0447, 41.2093,
100.7149

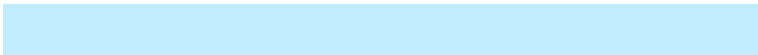
Harmonies

Analogous

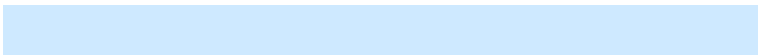
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.3800, 78.8647, 94.9790



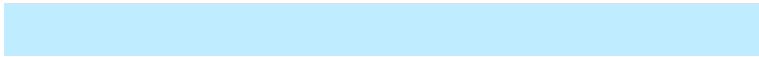
69.8200, 78.8647, 106.1503



73.7033, 78.8647, 112.0209

Triad

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



69.8200, 78.8647, 106.1503



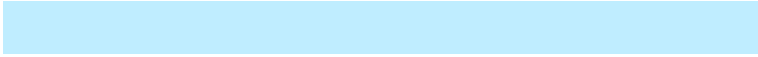
83.6062, 78.8647, 89.5364



71.9261, 78.8647, 65.2949

Complementary

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



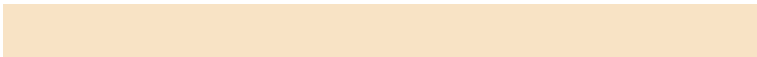
69.8200, 78.8647, 106.1503



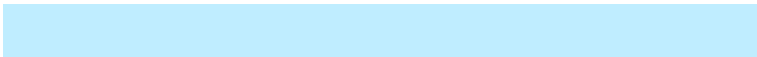
73.4443, 70.6218, 59.0523

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.



76.2279, 78.8647, 64.1433



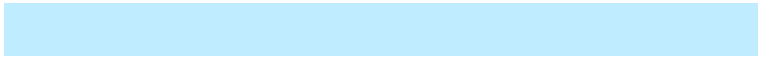
69.8200, 78.8647, 106.1503



83.0851, 78.8647, 77.3633

Square

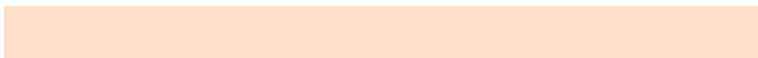
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



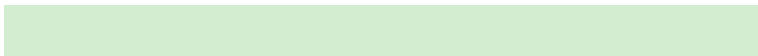
69.8200, 78.8647, 106.1503



81.7404, 78.8647, 101.8346



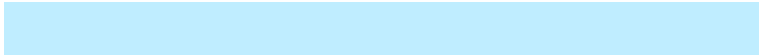
80.3432, 78.8647, 68.3532



68.5625, 78.8647, 71.6681

Rectangle

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



69.8200, 78.8647, 106.1503



76.6354, 78.8647, 111.7786



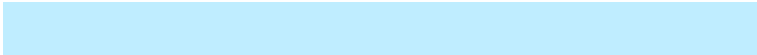
80.3432, 78.8647, 68.3532



73.3063, 78.8647, 64.3107

Sweetspot

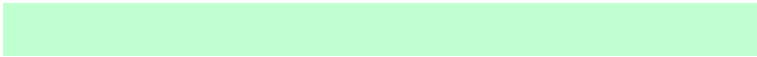
The Sweet Spot groups the original color and five complimentary colors.



69.8221, 78.8678, 106.1507



86.1363, 92.7287, 107.9663



68.6402, 87.1542, 72.9236



18.0978, 19.5672, 23.0729



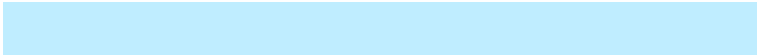
0.0000, 0.0000, 0.0000



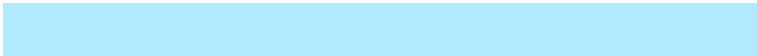
20.3446, 21.4041, 23.3091

Same Dimension

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



69.8221, 78.8678, 106.1507



65.8026, 75.2993, 105.6738



61.5924, 62.4083, 103.4075



18.0978, 19.5672, 23.0729



18.4445, 21.7985, 52.6700



1.8885, 2.3076, 5.1592

Inverse Universe

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



75.1582, 64.6376, 88.6393



72.0380, 59.2113, 85.0896



81.8242, 87.3816, 61.8456



18.5620, 18.2081, 21.5767



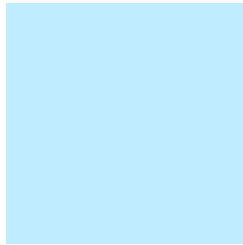
26.0981, 12.9285, 24.9648



2.5878, 1.2775, 2.6768

Previews

White Background



This preview shows how the XYZ color 69.8200, 78.8647, 106.1503 looks on a white background.

Color Contrast Check

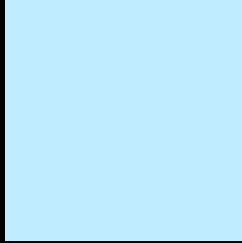
Large Text (above 18pt) WCAG AA × Fail

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 69.8200, 78.8647, 106.1503 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 69.8200, 78.8647, 106.1503

Background



This preview shows how black text looks on a background with the XYZ color 69.8200, 78.8647, 106.1503.



This preview shows how white text looks on a background with the XYZ color 69.8200, 78.8647,

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

69.8200, 78.8647, 106.1503

Protanopia

76.5208, 78.6573, 100.7718

Deuteranopia

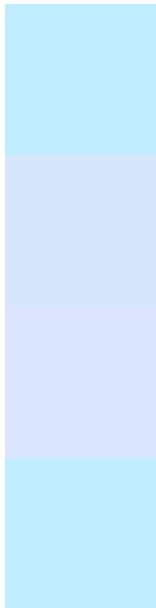
79.6307, 78.5358, 105.5697



Tritanopia

70.3265, 79.1258, 106.1740

Trichromacy



Original Color

69.8200, 78.8647, 106.1503

Protanomaly

73.7201, 78.4130, 102.5165

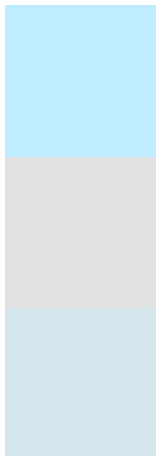
Deuteranomaly

75.5845, 78.4743, 105.7711

Tritanomaly

70.0724, 78.9948, 106.1621

Monochromacy



Original Color

69.8200, 78.8647, 106.1503

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

70.6002, 76.2409, 90.3518

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.8200, 78.8647, 106.1503 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(191, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(191, 237, 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(191, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 237, 255) }
```

Border

The CSS property to change the border of an element to XYZ 69.8200, 78.8647, 106.1503 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(191, 237, 255) }
```


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

```
.border{ border-color:rgb(191, 237, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 237, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(191, 237,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 69.8200, 78.8647, 106.1503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 237, 255) }
```

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

```
.background{ background-color: rgb(191,  
237, 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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