

Converting Colors

XYZ(70.9193, 79.4230,
113.8296)

Have a look what the booklet for
XYZ(70.9193, 79.4230, 113.8296)
contains.

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Color

**XYZ(69.3205, 78.6072,
106.1269)**

Conversions

Conversions Part 1

Format	Color
Hex	BDEDFF
RGB	189, 237, 255
RGB Percent	74%, 93%, 100%
CMY	0.2588, 0.0706, 0.0000
CMYK	0.26, 0.07, 0.00, 0.00
HSL	196°, 100%, 87%
HSV	196°, 26%, 100%
XYZ	69.3205, 78.6072, 106.1269
YIQ	224.7000, -34.3860, -4.5780

Conversions

Conversions Part 2

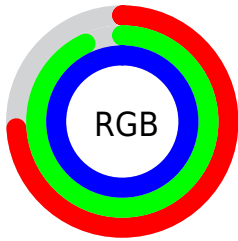
Format	Color
R _{YB}	189, 217, 255
Decimal	12447231
CIE Lab	91.06, -11.38, -13.72
CIE LCh	91, 17.825, 230.318
Yxy	78.6072, 0.2729, 0.3094
Android (android.graphics.Color)	4290637311 (0xFFBDEDFF)
YUV	224.7000, 14.9379, -31.3089
Hunter-Lab	88.6607, -15.5937, -8.9077

Details

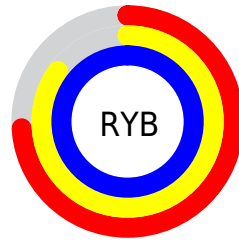
The XYZ color **69.3205, 78.6072, 106.1269** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.7382, 69.5593, 57.7386**, and the grayscale version is **71.2684, 74.9799, 81.6531**.

A 20% lighter version of the original color is **91.8160, 98.3328, 108.7487**, and **36.5484, 42.1933, 59.6439** is the 20% darker color. If you saturate the color by 10%, you get **61.5687, 71.6820, 105.1987**, and if you desaturate by 10%, it is **78.2667, 86.2679, 107.1340**.

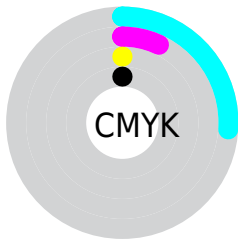
Distribution



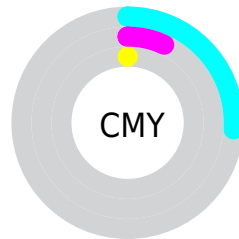
- Red (74%)
- Green (93%)
- Blue (100%)



- Red (74%)
- Yellow (85%)
- Blue (100%)



- Cyan (26%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (26%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.3205, 78.6072, 106.1269 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 69.3205, 78.6072, 106.1269 by changing the saturation by 10% instead.

69.3205, 78.6072,
106.1269

69.3205, 78.6072,
106.1269

447.4643,
490.2265, 601.0762

51.2504, 58.5729,
80.7818

117.2708,
131.4057, 171.6768

36.6297, 42.2694,
59.8320

147.8817,
164.9388, 212.7188

25.0933, 29.3123,
42.8588

183.4035,
203.7402, 259.8301

16.2757, 19.3172,
29.4438

224.2016,
248.1943, 313.4293

9.8115, 11.8997,
19.1683

270.6414,
298.6856, 373.9350

5.3355, 6.6754,
11.6139

323.0882,

2.4822, 3.2600,

355.5985, 441.7657

6.3620

381.9074,
419.3173, 517.3399

■ 0.8863, 1.2689,
2.9941

■ 0.0000, 0.1169,
1.0916

■ 69.3205, 78.6072,
106.1269

■ 69.3205, 78.6072,
106.1269

■ 61.5687, 71.6820,
105.1987

■ 78.2667, 86.2679,
107.1340

■ 54.9457, 65.4515,
104.3452

■ 88.4557, 94.6845,
108.2216

■ 49.3894, 59.8840,
103.5634

95.0500, 100.0000,
108.9000

■ 44.8284, 54.9416,
102.8498

■ 41.1822, 50.5814,
102.2004

■ 38.3569, 46.7535,
101.6105

■ 36.2359, 43.3965,
101.0743

■ 35.4972, 42.1143,
100.8657

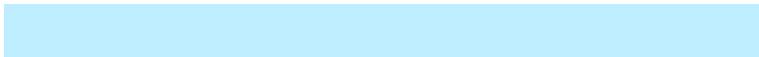
Harmonies

Analogous

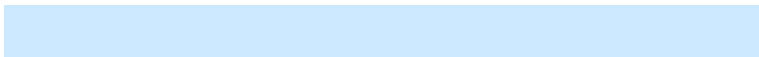
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.8848, 78.6072, 94.4920



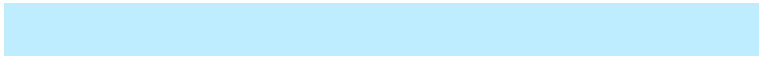
69.3205, 78.6072, 106.1269



73.2671, 78.6072, 112.4341

Triad

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



69.3205, 78.6072, 106.1269



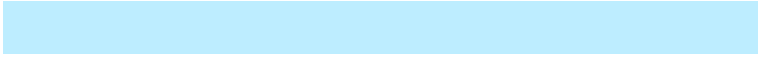
83.5779, 78.6072, 89.8282



71.7475, 78.6072, 64.3784

Complementary

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



69.3205, 78.6072, 106.1269



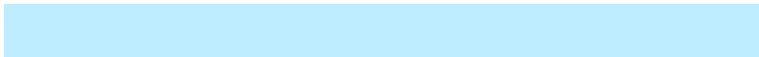
72.7382, 69.5593, 57.7386

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.



76.1794, 78.6072, 63.3995



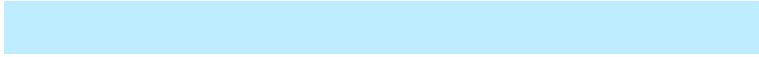
69.3205, 78.6072, 106.1269



83.1310, 78.6072, 77.2652

Square

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



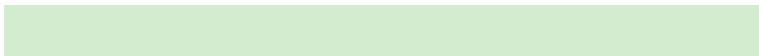
69.3205, 78.6072, 106.1269



81.5773, 78.6072, 102.4196



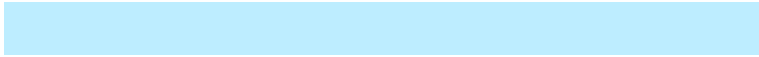
80.3798, 78.6072, 67.8895



68.2465, 78.6072, 70.7129

Rectangle

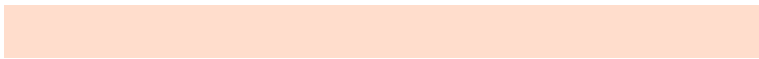
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.3205, 78.6072, 106.1269



76.2754, 78.6072, 112.3768



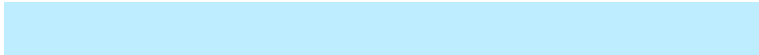
80.3798, 78.6072, 67.8895



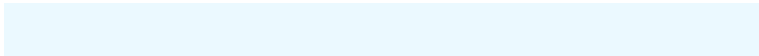
73.1737, 78.6072, 63.4386

Sweetspot

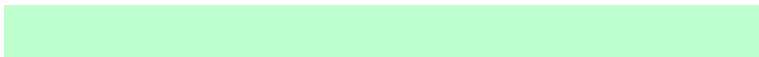
The Sweet Spot groups the original color and five complimentary colors.



69.3226, 78.6103, 106.1273



86.1901, 92.8363, 107.9842



67.9610, 86.8248, 71.9539



18.1114, 19.5945, 23.0775



0.0000, 0.0000, 0.0000



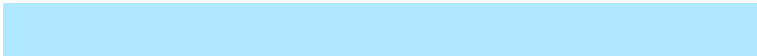
20.3446, 21.4041, 23.3091

Same Dimension

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



69.3226, 78.6103, 106.1273



65.2083, 74.9745, 105.6424



60.7258, 61.4166, 103.2617



18.1114, 19.5945, 23.0775



18.6788, 22.2672, 52.7481



1.9097, 2.3501, 5.1662

Inverse Universe

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



74.7250, 63.7713, 88.4949



71.5272, 58.1997, 84.8885



81.4684, 87.0196, 60.6487



18.5689, 18.2109, 21.6129



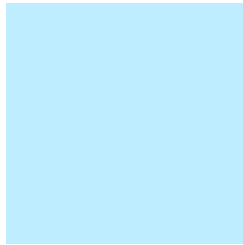
26.2164, 12.9759, 25.5878



2.5985, 1.2818, 2.7333

Previews

White Background



This preview shows how the XYZ color 69.3205, 78.6072, 106.1269 looks on a white background.

Color Contrast Check

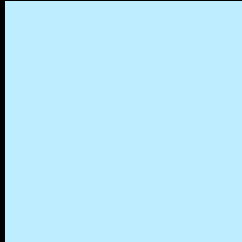
Large Text (above 18pt) WCAG AA × Fail

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 69.3205, 78.6072, 106.1269 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 69.3205, 78.6072, 106.1269

Background



This preview shows how black text looks on a background with the XYZ color 69.3205, 78.6072, 106.1269.



This preview shows how white text looks on a background with the XYZ color 69.3205, 78.6072,

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

69.3205, 78.6072, 106.1269

Protanopia

76.2465, 78.1086, 100.6804

Deuteranopia

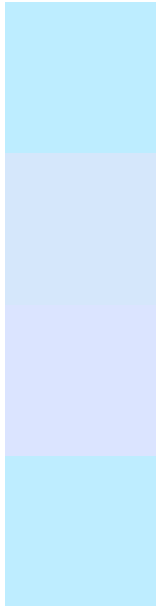
79.0297, 77.8282, 105.4648



Tritanopia

69.8200, 78.8647, 106.1503

Trichromacy



Original Color

69.3205, 78.6072, 106.1269

Protanomaly

73.4291, 78.2630, 102.5029

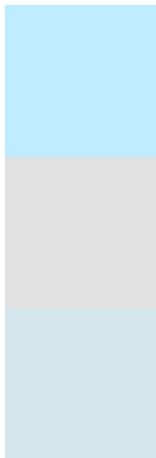
Deuteranomaly

75.0068, 77.7669, 105.6650

Tritanomaly

69.5694, 78.7355, 106.1385

Monochromacy



Original Color

69.3205, 78.6072, 106.1269

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

70.3110, 76.0918, 90.3383

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.3205, 78.6072, 106.1269 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(189, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(189, 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(189, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 237, 255) }
```

Border

The CSS property to change the border of an element to XYZ 69.3205, 78.6072, 106.1269 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(189, 237, 255) }
```


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

```
.border{ border-color:rgb(189, 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(189, 237, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(189, 237,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 69.3205, 78.6072, 106.1269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 237, 255) }
```

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

```
.background{ background-color: rgb(189,  
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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