

Converting Colors

XYZ(69.9418, 76.4714,
105.6819)

Have a look what the booklet for
XYZ(69.9418, 76.4714, 105.6819)
contains.

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Color

**XYZ(69.9146, 76.3776,
105.6652)**

Conversions

Conversions Part 1

Format	Color
Hex	C6E7FF
RGB	198, 231, 255
RGB Percent	78%, 91%, 100%
CMY	0.2235, 0.0941, 0.0000
CMYK	0.22, 0.09, 0.00, 0.00
HSL	205°, 100%, 89%
HSV	205°, 22%, 100%
XYZ	69.9146, 76.3776, 105.6652
YIQ	223.8690, -27.3720, 0.4680

Conversions

Conversions Part 2

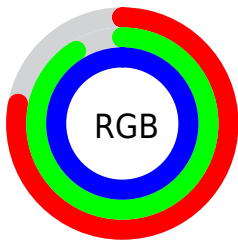
Format	Color
R _Y B	198, 219, 255
Decimal	13035519
CIE Lab	90.03, -5.69, -15.19
CIE LCh	90, 16.225, 249.451
Yxy	76.3776, 0.2775, 0.3031
Android (android.graphics.Color)	4291225599 (0xFFC6E7FF)
YUV	223.8690, 15.3476, -22.6871
Hunter-Lab	87.3943, -10.1417, -10.5094

Details

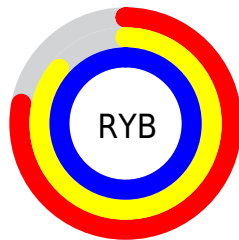
The XYZ color **69.9146, 76.3776, 105.6652** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.5541, 77.5789, 64.3145**, and the grayscale version is **70.6676, 74.3479, 80.9648**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.8507, 40.5768, 59.3159** is the 20% darker color. If you saturate the color by 10%, you get **60.8378, 67.3756, 104.4060**, and if you desaturate by 10%, it is **80.3114, 86.3375, 107.0397**.

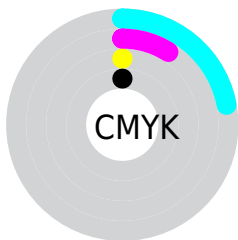
Distribution



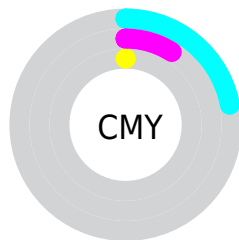
- Red (78%)
- Green (91%)
- Blue (100%)



- Red (78%)
- Yellow (86%)
- Blue (100%)



- Cyan (22%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.9146, 76.3776, 105.6652 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 69.9146, 76.3776, 105.6652 by changing the saturation by 10% instead.

■ 69.9146, 76.3776,
105.6652

■ 69.9146, 76.3776,
105.6652

449.5212,
482.6393, 599.6082

■ 51.7363, 56.7422,
80.3970

118.1139,
128.2605, 171.0404

■ 37.0183, 40.7983,
59.5170

148.8656,
161.2768, 211.9846

■ 25.3954, 28.1615,
42.6067

184.5390,
199.5222, 258.9911

■ 16.5022, 18.4474,
29.2475

225.4997,
243.3811, 312.4785

■ 9.9733, 11.2717,
19.0210

272.1129,
293.2378, 372.8654

■ 5.4434, 6.2499,
11.5085

324.7440,

■ 2.5471, 2.9976,

349.4769, 440.5703

6.2915

383.7583,
412.4826, 516.0117

■ 0.9191, 1.1305,
2.9515

■ 0.0000, 0.0038,
1.0699

■ 69.9146, 76.3776,
105.6652

■ 69.9146, 76.3776,
105.6652

■ 60.8378, 67.3756,
104.4060

■ 80.3114, 86.3375,
107.0397

■ 53.0149, 59.2868,
103.2571

■ 92.0778, 97.2799,
108.5316

■ 46.3830, 52.0757,
102.2147

■ 95.0500, 100.0000,
108.9000

■ 40.8710, 45.7006,
101.2747

■ 36.3993, 40.1150,
100.4323

■ 32.8766, 35.2665,
99.6821

■ 30.1931, 31.0928,
99.0179

■ 28.5847, 28.2893,
98.5616

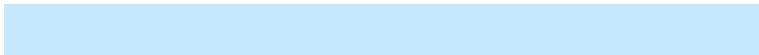
Harmonies

Analogous

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



66.7871, 76.3776, 98.0394



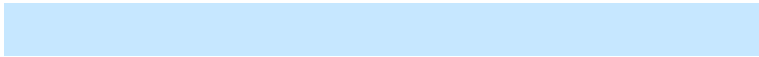
69.9146, 76.3776, 105.6652



73.8715, 76.3776, 106.9707

Triad

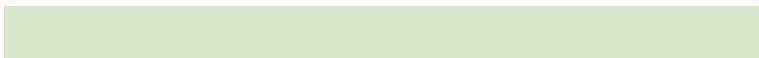
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.9146, 76.3776, 105.6652



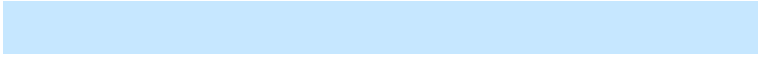
80.4909, 76.3776, 79.5793



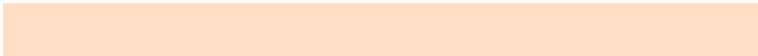
67.7921, 76.3776, 67.2103

Complementary

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



69.9146, 76.3776, 105.6652



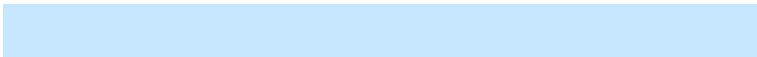
77.5541, 77.5789, 64.3145

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.



71.3326, 76.3776, 63.1777



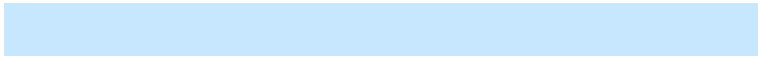
69.9146, 76.3776, 105.6652



78.7294, 76.3776, 69.8718

Square

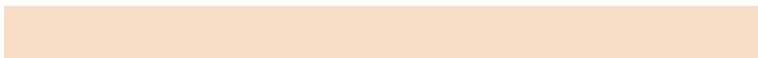
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



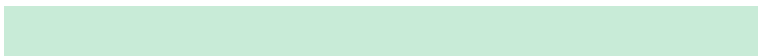
69.9146, 76.3776, 105.6652



80.0771, 76.3776, 91.1786



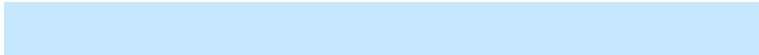
75.3423, 76.3776, 64.1050



65.5934, 76.3776, 75.6300

Rectangle

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



69.9146, 76.3776, 105.6652



76.4625, 76.3776, 103.9706



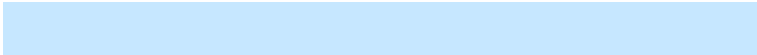
75.3423, 76.3776, 64.1050



68.8594, 76.3776, 65.3337

Sweetspot

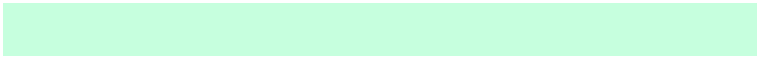
The Sweet Spot groups the original color and five complimentary colors.



69.9167, 76.3806, 105.6657



86.4345, 92.0691, 107.8233



72.2010, 88.7868, 82.2650



18.3485, 19.5652, 23.0593



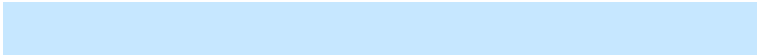
0.0000, 0.0000, 0.0000



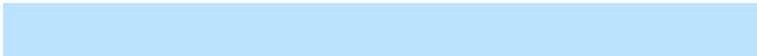
20.3446, 21.4041, 23.3091

Same Dimension

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



69.9167, 76.3806, 105.6657



65.5365, 72.0787, 105.0662



62.6370, 61.8212, 103.2391



17.8766, 19.1249, 22.9992



15.0871, 15.0838, 51.5509



1.5771, 1.6850, 5.0554

Inverse Universe

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



75.8592, 67.4192, 84.6198



72.5600, 61.9328, 80.0920



85.6968, 93.8642, 67.0287



18.4504, 18.1635, 20.9888



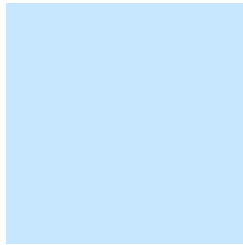
24.4035, 12.2507, 16.0411



2.4307, 1.2146, 1.8494

Previews

White Background



This preview shows how the XYZ color 69.9146, 76.3776, 105.6652 looks on a white background.

Color Contrast Check

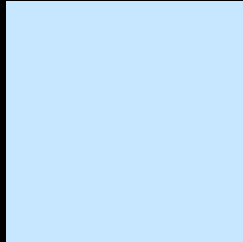
Large Text (above 18pt) WCAG AA × Fail

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 69.9146, 76.3776, 105.6652 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

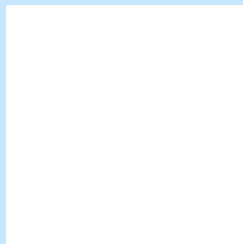
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.9146, 76.3776, 105.6652

Background



This preview shows how black text looks on a background with the XYZ color 69.9146, 76.3776, 105.6652.



This preview shows how white text looks on a background with the XYZ color 69.9146, 76.3776,

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

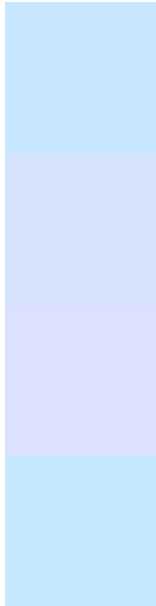




Tritanopia

69.1379, 76.4857, 101.5617

Trichromacy



Original Color

69.9146, 76.3776, 105.6652

Protanomaly

72.7713, 76.2626, 102.9802

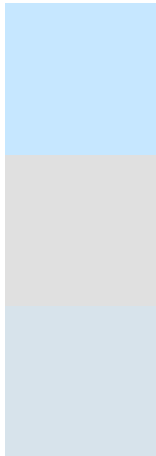
Deuteranomaly

74.4904, 76.2861, 105.4064

Tritanomaly

69.4533, 76.6118, 103.2224

Monochromacy



Original Color

69.9146, 76.3776, 105.6652

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

70.4888, 75.3834, 89.4326

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.9146, 76.3776, 105.6652 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(198, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(198, 231, 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(198, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 231, 255) }
```

Border

The CSS property to change the border of an element to XYZ 69.9146, 76.3776, 105.6652 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(198, 231, 255) }
```


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

```
.border{ border-color:rgb(198, 231, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(198, 231,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 69.9146, 76.3776, 105.6652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 231, 255) }
```

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

```
.background{ background-color: rgb(198,  
231, 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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