

Converting Colors

XYZ(69.7363, 77.9451,
105.9772)

Have a look what the booklet for
XYZ(69.7363, 77.9451, 105.9772)
contains.

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Color

**XYZ(69.7506, 77.9741,
105.9820)**

Conversions

Conversions Part 1

Format	Color
Hex	C1EBFF
RGB	193, 235, 255
RGB Percent	76%, 92%, 100%
CMY	0.2431, 0.0784, 0.0000
CMYK	0.24, 0.08, 0.00, 0.00
HSL	199°, 100%, 88%
HSV	199°, 24%, 100%
XYZ	69.7506, 77.9741, 105.9820
YIQ	224.7220, -31.4520, -2.6840

Conversions

Conversions Part 2

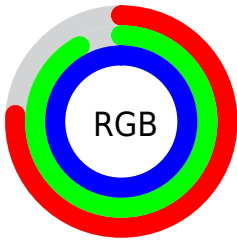
Format	Color
R _Y B	193, 218, 255
Decimal	12708863
CIE Lab	90.77, -9.21, -14.12
CIE LCh	91, 16.863, 236.892
Yxy	77.9741, 0.2749, 0.3073
Android (android.graphics.Color)	4290898943 (0xFFC1EBFF)
YUV	224.7220, 14.9271, -27.8202
Hunter-Lab	88.3029, -13.5328, -9.3483

Details

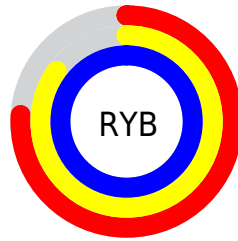
The XYZ color **69.7506, 77.9741, 105.9820** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.6597, 72.6980, 60.5508**, and the grayscale version is **71.2826, 74.9949, 81.6694**.

A 20% lighter version of the original color is **93.2343, 99.0640, 108.8150**, and **36.7944, 41.7207, 59.5397** is the 20% darker color. If you saturate the color by 10%, you get **61.5018, 70.3085, 104.9371**, and if you desaturate by 10%, it is **79.2332, 86.4414, 107.1166**.

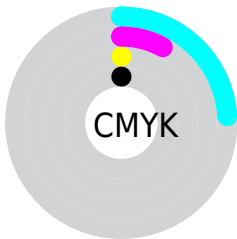
Distribution



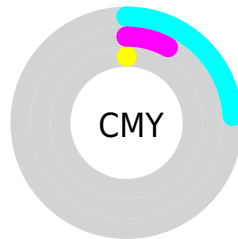
- Red (76%)
- Green (92%)
- Blue (100%)



- Red (76%)
- Yellow (85%)
- Blue (100%)



- Cyan (24%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (24%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.7506, 77.9741, 105.9820 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 69.7506, 77.9741, 105.9820 by changing the saturation by 10% instead.

69.7506, 77.9741,
105.9820

69.7506, 77.9741,
105.9820

448.9539,
488.0789, 600.6157

51.6021, 58.0527,
80.6610

117.8812,
130.5136, 171.4771

36.9110, 41.8510,
59.7331

148.5941,
163.9005, 212.4884

25.3119, 28.9847,
42.7797

184.2257,
202.5447, 259.5668

16.4396, 19.0692,
29.3822

225.1416,
246.8306, 313.1310

9.9286, 11.7203,
19.1220

271.7070,
297.1425, 373.5994

5.4135, 6.5535,
11.5808

324.2873,

2.5291, 3.1845,

353.8650, 441.3906

6.3399

383.2478,
417.3823, 516.9232

■ 0.9100, 1.2288,
2.9807

■ 0.0000, 0.0850,
1.0848

■ 69.7506, 77.9741,
105.9820

■ 69.7506, 77.9741,
105.9820

■ 61.5018, 70.3085,
104.9371

■ 79.2332, 86.4414,
107.1166

■ 54.4217, 63.4028,
103.9774

■ 89.9981, 95.7314,
108.3423

■ 48.4481, 57.2248,
103.0997

95.0500, 100.0000,
108.9000

■ 43.5104, 51.7359,
102.3005

■ 39.5292, 46.8927,
101.5755

■ 36.4123, 42.6455,
100.9200

■ 34.0472, 38.9338,
100.3282

■ 32.9471, 37.0142,
100.0157

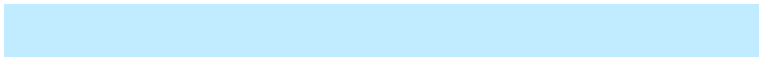
Harmonies

Analogous

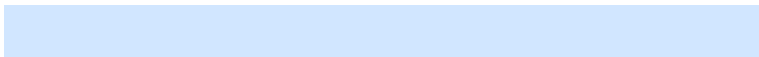
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.0811, 77.9741, 95.8969



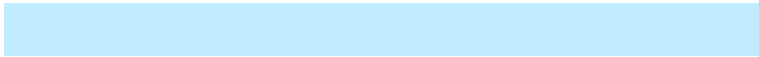
69.7506, 77.9741, 105.9820



73.6712, 77.9741, 110.3938

Triad

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



69.7506, 77.9741, 105.9820



82.5480, 77.9741, 86.1719



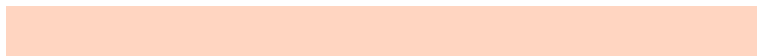
70.4879, 77.9741, 65.7457

Complementary

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



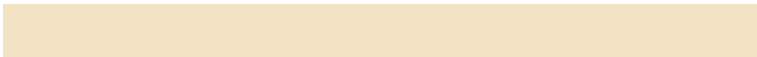
69.7506, 77.9741, 105.9820



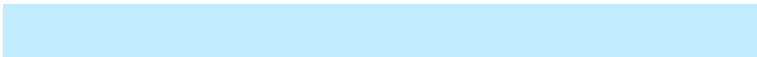
74.6597, 72.6980, 60.5508

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.



74.5546, 77.9741, 63.6693



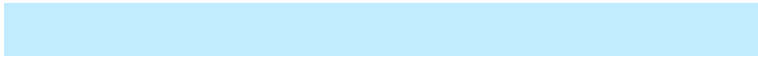
69.7506, 77.9741, 105.9820



81.6178, 77.9741, 74.7787

Square

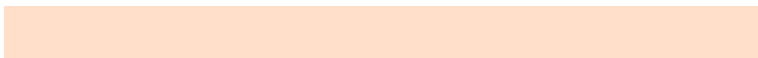
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



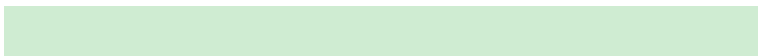
69.7506, 77.9741, 105.9820



81.1477, 77.9741, 98.2931



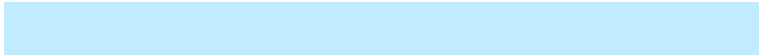
78.6516, 77.9741, 66.8183



67.4953, 77.9741, 72.7834

Rectangle

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



69.7506, 77.9741, 105.9820



76.5045, 77.9741, 109.2395



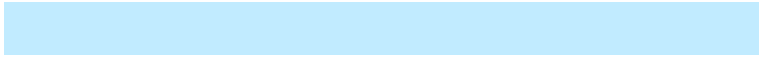
78.6516, 77.9741, 66.8183



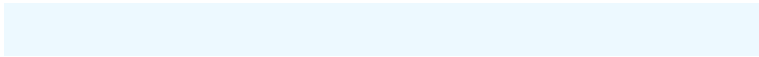
71.7700, 77.9741, 64.4752

Sweetspot

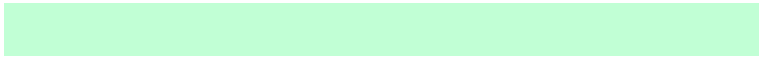
The Sweet Spot groups the original color and five complimentary colors.



69.7527, 77.9772, 105.9825



86.9760, 93.1520, 108.0038



69.7170, 87.6434, 75.9507



18.4740, 19.8162, 23.1012



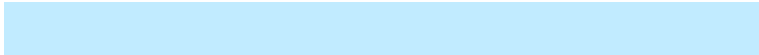
0.0000, 0.0000, 0.0000



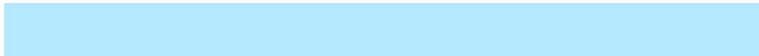
20.3446, 21.4041, 23.3091

Same Dimension

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



69.7527, 77.9772, 105.9825



65.7356, 74.2854, 105.4816



61.7237, 61.9192, 103.3061



18.0320, 19.4356, 23.0510



17.3568, 19.6232, 52.3074



1.7891, 2.1089, 5.1260

Inverse Universe

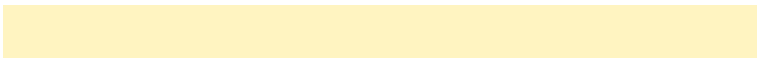
The Inverse Universe completely reimagines the original color for something new.



75.3067, 65.3996, 87.2551



72.2190, 60.1061, 83.5074



83.1066, 89.5916, 63.3665



18.5288, 18.1948, 21.4018



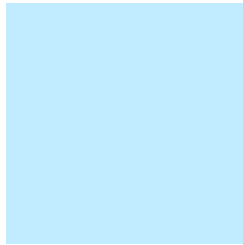
25.5491, 12.7089, 22.0739



2.5377, 1.2574, 2.4127

Previews

White Background



This preview shows how the XYZ color 69.7506, 77.9741, 105.9820 looks on a white background.

Color Contrast Check

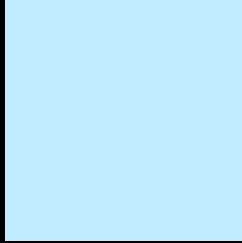
Large Text (above 18pt) WCAG AA × Fail

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 69.7506, 77.9741, 105.9820 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

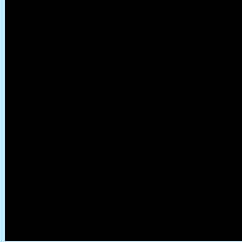
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.7506, 77.9741, 105.9820

Background



This preview shows how black text looks on a background with the XYZ color 69.7506, 77.9741, 105.9820.

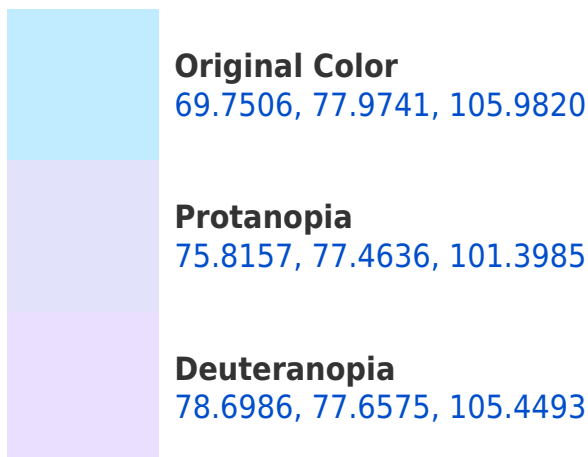


This preview shows how white text looks on a background with the XYZ color 69.7506, 77.9741,

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

69.5900, 77.9099, 105.1363

Trichromacy



Original Color

69.7506, 77.9741, 105.9820

Protanomaly

73.3216, 77.3630, 103.1636

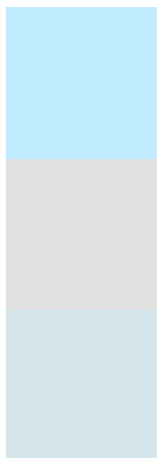
Deuteranomaly

75.0343, 77.3738, 105.5877

Tritanomaly

69.5900, 77.9099, 105.1363

Monochromacy



Original Color

69.7506, 77.9741, 105.9820

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 69.7506, 77.9741, 105.9820 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(193, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(193, 235, 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(193, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 235, 255) }
```

Border

The CSS property to change the border of an element to XYZ 69.7506, 77.9741, 105.9820 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(193, 235, 255) }
```


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

```
.border{ border-color:rgb(193, 235, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(193, 235,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 69.7506, 77.9741, 105.9820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 235, 255) }
```

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

```
.background{ background-color: rgb(193,  
235, 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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