

Converting Colors

XYZ(70.5862, 83.0905,
106.9255)

Have a look what the booklet for
XYZ(70.5862, 83.0905, 106.9255)
contains.

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Color

**XYZ(70.7729, 83.3219,
106.9603)**

Conversions

Conversions Part 1

Format	Color
Hex	B8F6FF
RGB	184, 246, 255
RGB Percent	72%, 96%, 100%
CMY	0.2784, 0.0353, 0.0000
CMYK	0.28, 0.04, 0.00, 0.00
HSL	188°, 100%, 86%
HSV	188°, 28%, 100%
XYZ	70.7729, 83.3219, 106.9603
YIQ	228.4880, -39.8410, -10.3450

Conversions

Conversions Part 2

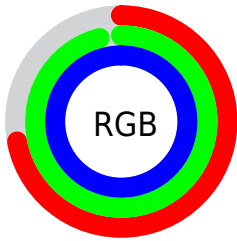
Format	Color
RYB	184, 217, 255
Decimal	12121855
CIELab	93.16, -17.31, -10.62
CIELCh	93, 20.304, 211.527
Yxy	83.3219, 0.2711, 0.3192
Android (android.graphics.Color)	4290311935 (0xFFB8F6FF)
YUV	228.4880, 13.0704, -39.0160
Hunter-Lab	91.2808, -21.3448, -5.5778

Details

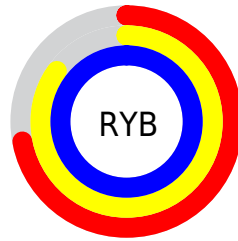
The XYZ color **70.7729, 83.3219, 106.9603** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.9617, 62.8600, 53.8476**, and the grayscale version is **74.0301, 77.8855, 84.8173**.

A 20% lighter version of the original color is **90.0856, 97.4408, 108.6677**, and **37.6598, 45.5713, 60.2373** is the 20% darker color. If you saturate the color by 10%, you get **64.2327, 78.5062, 106.3755**, and if you desaturate by 10%, it is **78.4356, 88.7459, 107.6034**.

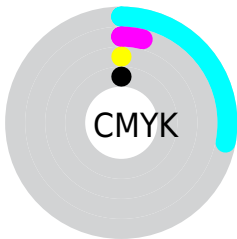
Distribution



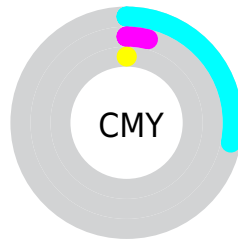
- Red (72%)
- Green (96%)
- Blue (100%)



- Red (72%)
- Yellow (85%)
- Blue (100%)



- Cyan (28%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)





- Cyan (28%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.7729, 83.3219, 106.9603 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 70.7729, 83.3219, 106.9603 by changing the saturation by 10% instead.


 70.7729, 83.3219,
106.9603

 70.7729, 83.3219,
106.9603


452.4834,
506.0587, 603.7212

 52.4388, 62.4557,
81.4768


 119.3306,
138.0262, 172.8248

 37.5806, 45.4010,
60.4011


150.2848,
172.6332, 214.0429

 25.8331, 31.7734,
43.3146


186.1765,
212.5892, 261.3430

 16.8308, 21.1885,
29.7988

227.3709,
258.2786, 315.1435

 10.2085, 13.2619,
19.4352

274.2334,
310.0859, 375.8630

 5.6007, 7.6091,
11.8051

327.1295,

 2.6422, 3.8459,

368.3954, 443.9201

6.4902

386.4243,
433.5915, 519.7333

■ 0.9675, 1.5877,
3.0718

■ 0.0000, 0.3493,
1.1314

■ 70.7729, 83.3219,
106.9603

■ 70.7729, 83.3219,
106.9603

■ 64.2327, 78.5062,
106.3755

■ 78.4356, 88.7459,
107.6034

■ 58.7491, 74.2583,
105.8446

■ 87.2690, 94.7968,
108.3058

■ 54.2595, 70.5479,
105.3651

95.0500, 100.0000,
108.9000

■ 50.6919, 67.3379,
104.9335

■ 47.9644, 64.5858,
104.5461

■ 45.9803, 62.2417,
104.1982

■ 44.6106, 60.2389,
103.8838

■ 44.3554, 59.8307,
103.8185

Harmonies

Analogous

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



69.3814, 83.3219, 91.5081



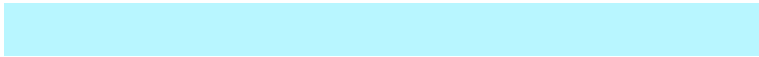
70.7729, 83.3219, 106.9603



74.4068, 83.3219, 119.0609

Triad

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



70.7729, 83.3219, 106.9603



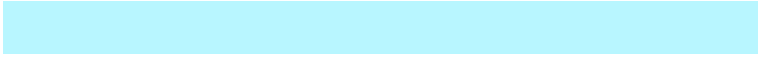
88.5540, 83.3219, 105.4548



78.9221, 83.3219, 64.4219

Complementary

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



70.7729, 83.3219, 106.9603



68.9617, 62.8600, 53.8476

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.



84.1843, 83.3219, 67.2819



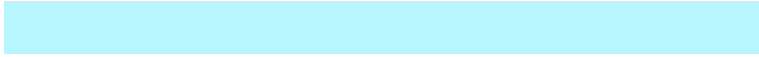
70.7729, 83.3219, 106.9603



89.8929, 83.3219, 89.9431

Square

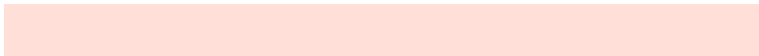
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



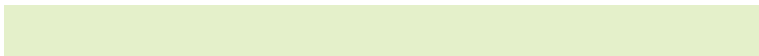
70.7729, 83.3219, 106.9603



84.6782, 83.3219, 118.1253



88.2600, 83.3219, 76.2189



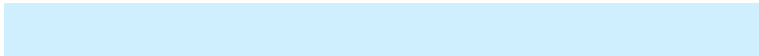
73.9537, 83.3219, 67.9250

Rectangle

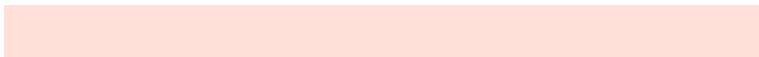
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



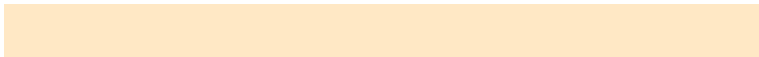
70.7729, 83.3219, 106.9603



77.6938, 83.3219, 122.9763



88.2600, 83.3219, 76.2189



80.7153, 83.3219, 64.6690

Sweetspot

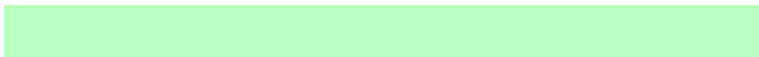
The Sweet Spot groups the original color and five complimentary colors.



70.7751, 83.3251, 106.9609



87.1200, 94.6961, 108.2942



65.0741, 85.5292, 63.1146



18.3469, 20.0655, 23.1560



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.



70.7751, 83.3251, 106.9609



67.2645, 80.7662, 106.6520



61.1665, 64.1080, 103.7580



18.3469, 20.0655, 23.1560



23.2537, 31.4169, 54.2731



2.3167, 3.1641, 5.3019

Inverse Universe

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



75.0164, 62.1964, 95.2439



72.1551, 56.8814, 93.0337



77.5762, 80.0891, 56.7192



18.6878, 18.2584, 22.2389



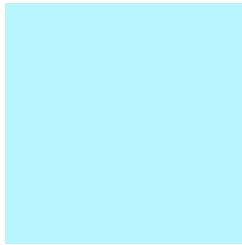
28.5256, 13.8995, 37.7477



2.8040, 1.3640, 3.8151

Previews

White Background



This preview shows how the XYZ color 70.7729, 83.3219, 106.9603 looks on a white background.

Color Contrast Check

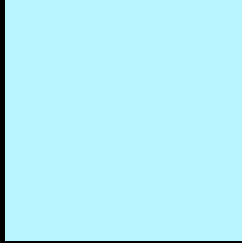
Large Text (above 18pt) WCAG AA × Fail

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 70.7729, 83.3219, 106.9603 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 70.7729, 83.3219, 106.9603

Background



This preview shows how black text looks on a background with the XYZ color 70.7729, 83.3219, 106.9603.

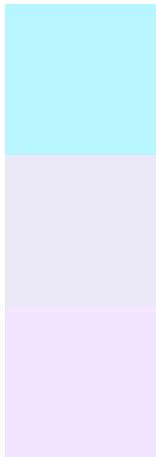


This preview shows how white text looks on a background with the XYZ color 70.7729, 83.3219,

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

70.7729, 83.3219, 106.9603

Protanopia

80.1884, 82.6554, 99.7234

Deuteranopia

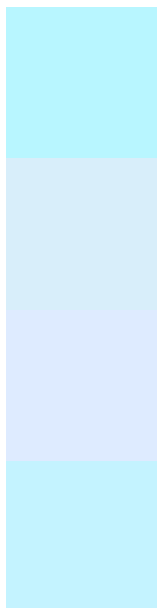
83.3775, 82.4917, 106.1358



Tritanopia

74.1339, 82.8271, 106.6877

Trichromacy



Original Color

70.7729, 83.3219, 106.9603

Protanomaly

76.1488, 82.6501, 102.3821

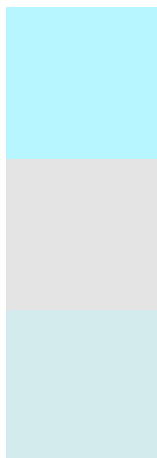
Deuteranomaly

77.8825, 82.1663, 106.3626

Tritanomaly

72.8655, 83.0569, 106.7989

Monochromacy



Original Color

70.7729, 83.3219, 106.9603

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

72.2923, 79.5868, 92.4405

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.7729, 83.3219, 106.9603 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(184, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(184, 246, 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(184, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 246, 255) }
```

Border

The CSS property to change the border of an element to XYZ 70.7729, 83.3219, 106.9603 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(184, 246, 255) }
```


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

```
.border{ border-color:rgb(184, 246, 255) }
```

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

Here you see how a box with a 4 pixel rgb(184, 246, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(184, 246,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 70.7729, 83.3219, 106.9603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 246, 255) }
```

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

```
.background{ background-color: rgb(184,  
246, 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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