

Converting Colors

XYZ(89.0438, 82.3080,
222.5288)

Have a look what the booklet for
XYZ(89.0438, 82.3080, 222.5288)
contains.

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Color

**XYZ(66.7797, 73.5256,
105.2799)**

Conversions

Conversions Part 1

Format	Color
Hex	BDE4FF
RGB	189, 228, 255
RGB Percent	74%, 89%, 100%
CMY	0.2588, 0.1059, 0.0000
CMYK	0.26, 0.11, 0.00, 0.00
HSL	205°, 100%, 87%
HSV	205°, 26%, 100%
XYZ	66.7797, 73.5256, 105.2799
YIQ	219.4170, -31.9110, 0.1290

Conversions

Conversions Part 2

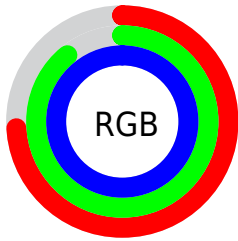
Format	Color
R_{YB}	189, 214, 255
Decimal	12444927
CIE Lab	88.70, -6.78, -17.26
CIE LCh	89, 18.541, 248.540
Yxy	73.5256, 0.2719, 0.2994
Android (android.graphics.Color)	4290635007 (0xFFBDE4FF)
YUV	219.4170, 17.5424, -26.6757
Hunter-Lab	85.7471, -11.0418, -12.7731

Details

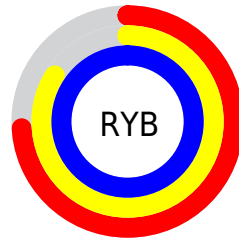
The XYZ color **66.7797, 73.5256, 105.2799** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **74.9813, 74.0455, 58.4863**, and the grayscale version is **67.5210, 71.0374, 77.3597**.

A 20% lighter version of the original color is **91.8160, 98.3328, 108.7487**, and **34.9681, 39.0327, 59.1171** is the 20% darker color. If you saturate the color by 10%, you get **58.2185, 64.9818, 104.0820**, and if you desaturate by 10%, it is **76.6301, 82.9947, 106.5885**.

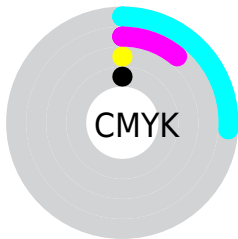
Distribution



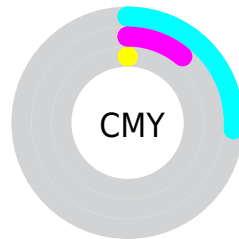
- Red (74%)
- Green (89%)
- Blue (100%)



- Red (74%)
- Yellow (84%)
- Blue (100%)



- Cyan (26%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (26%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.7797, 73.5256, 105.2799 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 66.7797, 73.5256, 105.2799 by changing the saturation by 10% instead.

■ 66.7797, 73.5256,
105.2799

■ 66.7797, 73.5256,
105.2799

438.6050,
472.8344, 598.3818

■ 49.1757, 54.4058,
80.0759

■ 113.6562,
124.2231, 170.5092

■ 34.9740, 38.9262,
59.2543

143.6594,
156.5696, 211.3715

■ 23.8092, 26.7023,
42.3965

178.5264,
194.0938, 258.2904

■ 15.3161, 17.3498,
29.0840

218.6225,
237.1802, 311.6844

■ 9.1293, 10.4842,
18.8982

264.3130,
286.2130, 371.9720

■ 4.8834, 5.7212,
11.4207

315.9634,

■ 2.2131, 2.6763,

341.5767, 439.5717

6.2328

373.9389,
403.6557, 514.9021

■ 0.7496, 0.9652,
2.9161

■ 0.0000, 0.0000,
1.0520

■ 66.7797, 73.5256,
105.2799

■ 66.7797, 73.5256,
105.2799

■ 58.2185, 64.9818,
104.0820

■ 76.6301, 82.9947,
106.5885

■ 50.8793, 57.3186,
102.9897

■ 87.8205, 93.4142,
108.0099

■ 44.6973, 50.4999,
101.9994

95.0500, 100.0000,
108.9000

■ 39.5991, 44.4830,
101.1067

■ 35.5017, 39.2204,
100.3069

■ 32.3088, 34.6573,
99.5944

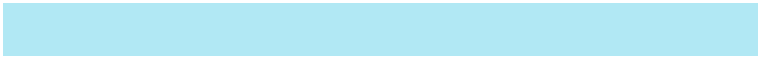
■ 29.9012, 30.7271,
98.9627

■ 29.0673, 29.2546,
98.7224

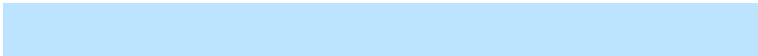
Harmonies

Analogous

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



63.3607, 73.5256, 96.4315



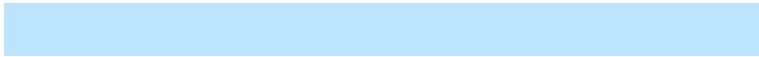
66.7797, 73.5256, 105.2799



71.1708, 73.5256, 107.0138

Triad

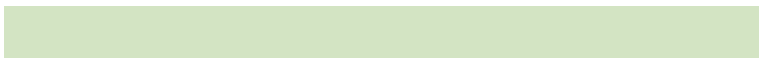
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.7797, 73.5256, 105.2799



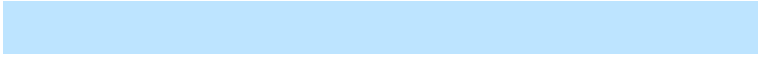
78.7527, 73.5256, 76.4492



64.6533, 73.5256, 62.2703

Complementary

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



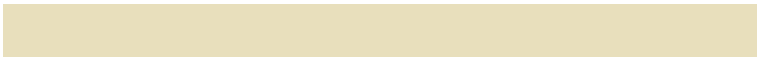
66.7797, 73.5256, 105.2799



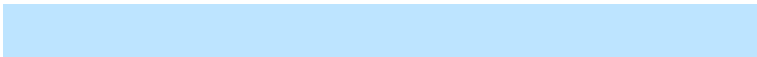
74.9813, 74.0455, 58.4863

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.



68.6126, 73.5256, 58.0558



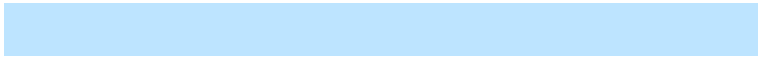
66.7797, 73.5256, 105.2799



76.8400, 73.5256, 65.6495

Square

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



66.7797, 73.5256, 105.2799



78.2107, 73.5256, 89.4254



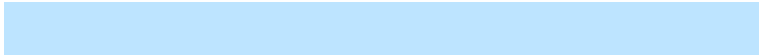
73.0828, 73.5256, 59.2232



62.1701, 73.5256, 71.3667

Rectangle

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



66.7797, 73.5256, 105.2799



74.0805, 73.5256, 103.7421



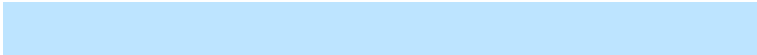
73.0828, 73.5256, 59.2232



65.8488, 73.5256, 60.2824

Sweetspot

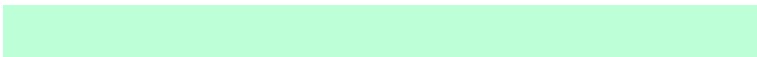
The Sweet Spot groups the original color and five complimentary colors.



66.7817, 73.5285, 105.2804



85.3345, 91.1251, 107.6990



69.0646, 87.2662, 77.7652



17.8954, 19.1624, 23.0055



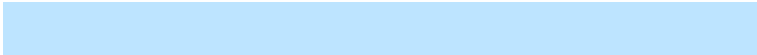
0.0000, 0.0000, 0.0000



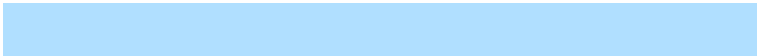
20.3446, 21.4041, 23.3091

Same Dimension

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



66.7817, 73.5285, 105.2804



62.2414, 69.0408, 104.6535



58.6876, 57.3403, 102.5824



17.8954, 19.1624, 23.0055



15.3389, 15.5873, 51.6348



1.6010, 1.7328, 5.0633

Inverse Universe

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



73.4425, 63.2583, 81.7412



70.0297, 57.6007, 77.0025



84.1163, 92.3155, 61.5313



18.4598, 18.1672, 21.0387



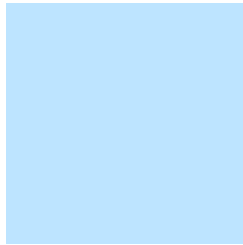
24.5306, 12.3015, 16.7102



2.4427, 1.2195, 1.9128

Previews

White Background



This preview shows how the XYZ color 66.7797, 73.5256, 105.2799 looks on a white background.

Color Contrast Check

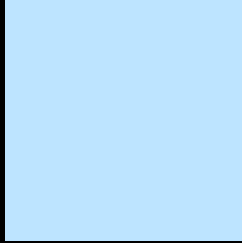
Large Text (above 18pt) WCAG AA × Fail

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 66.7797, 73.5256, 105.2799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

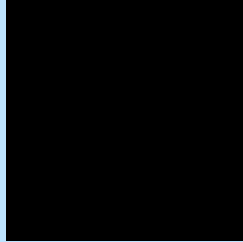
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

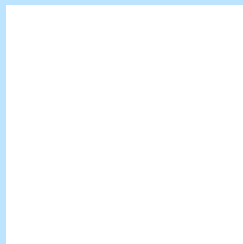
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.7797, 73.5256, 105.2799

Background



This preview shows how black text looks on a background with the XYZ color 66.7797, 73.5256, 105.2799.

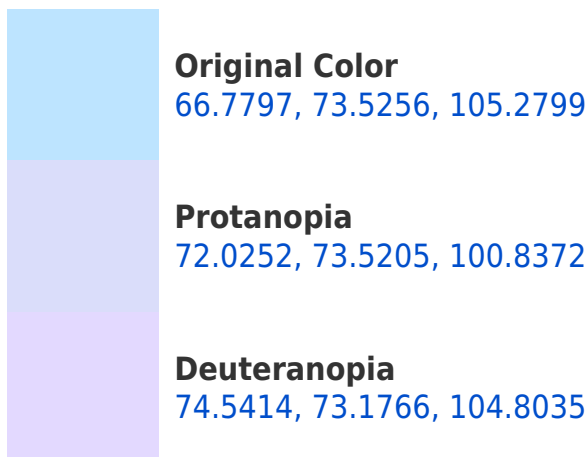


This preview shows how white text looks on a background with the XYZ color 66.7797, 73.5256,

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

65.4561, 73.3807, 99.5209

Trichromacy



Original Color

66.7797, 73.5256, 105.2799

Protanomaly

69.9585, 73.6050, 102.6154

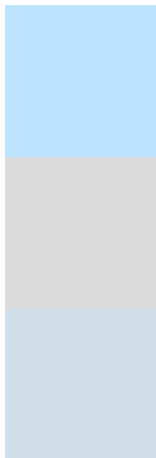
Deuteranomaly

71.3470, 73.0790, 104.9530

Tritanomaly

66.1709, 73.6950, 102.0038

Monochromacy



Original Color

66.7797, 73.5256, 105.2799

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

66.6992, 71.4786, 86.6253

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.7797, 73.5256, 105.2799 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, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(189, 228, 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, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 228, 255) }
```

Border

The CSS property to change the border of an element to XYZ 66.7797, 73.5256, 105.2799 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, 228, 255) }
```


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

```
.border{ border-color:rgb(189, 228, 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, 228, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 228, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 228, 255);  
box-shadow:4px 4px 4px 4px rgb(189, 228,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 66.7797, 73.5256, 105.2799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 228, 255) }
```

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

```
.background{ background-color: rgb(189,  
228, 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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