

Converting Colors

XYZ(77.0614, 78.1244,
158.5576)

Have a look what the booklet for
XYZ(77.0614, 78.1244, 158.5576)
contains.

XYZ(66.8083, 73.9500, 105.3603)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(66.8083, 73.9500,
105.3603)**

Conversions

Conversions Part 1

Format	Color
Hex	BCE5FF
RGB	188, 229, 255
RGB Percent	74%, 90%, 100%
CMY	0.2627, 0.1019, 0.0000
CMYK	0.26, 0.10, 0.00, 0.00
HSL	203°, 100%, 87%
HSV	203°, 26%, 100%
XYZ	66.8083, 73.9500, 105.3603
YIQ	219.7050, -32.7820, -0.6060

Conversions

Conversions Part 2

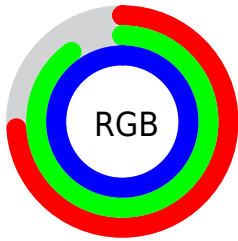
Format	Color
R _Y B	188, 213, 255
Decimal	12379647
CIE Lab	88.90, -7.59, -16.96
CIE LCh	89, 18.579, 245.899
Yxy	73.9500, 0.2714, 0.3005
Android (android.graphics.Color)	4290569727 (0xFFBCE5FF)
YUV	219.7050, 17.4004, -27.8053
Hunter-Lab	85.9942, -11.8144, -12.4463

Details

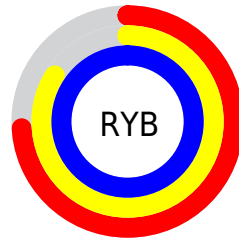
The XYZ color **66.8083, 73.9500, 105.3603** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **74.3636, 72.9833, 57.7464**, and the grayscale version is **67.7226, 71.2494, 77.5906**.

A 20% lighter version of the original color is **91.4662, 98.1525, 108.7323**, and **35.0020, 39.3359, 59.1739** is the 20% darker color. If you saturate the color by 10%, you get **58.4130, 65.6748, 104.2056**, and if you desaturate by 10%, it is **76.4736, 83.1152, 106.6200**.

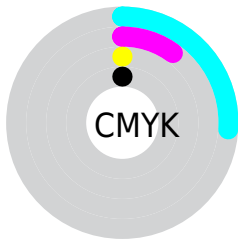
Distribution



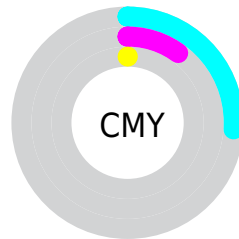
- Red (74%)
- Green (90%)
- Blue (100%)



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



- Cyan (26%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (26%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.8083, 73.9500, 105.3603 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 66.8083, 73.9500, 105.3603 by changing the saturation by 10% instead.

66.8083, 73.9500,
105.3603

66.8083, 73.9500,
105.3603

438.7053,
474.3008, 598.6378

49.1990, 54.7531,
80.1429

113.6970,
124.8249, 170.6200

34.9925, 39.2041,
59.3091

143.7071,
157.2718, 211.4995

23.8236, 26.9185,
42.4403

178.5815,
194.9040, 258.4367

15.3269, 17.5120,
29.1181

218.6855,
238.1061, 311.8501

9.1369, 10.6002,
18.9238

264.3846,
287.2625, 372.1584

4.8884, 5.7987,
11.4390

316.0440,

2.2160, 2.7231,

342.7574, 439.7801

6.2451

374.0291,
404.9754, 515.1337

■ 0.7512, 0.9889,
2.9235

■ 0.0000, 0.0000,
1.0557

■ 66.8083, 73.9500,
105.3603

■ 66.8083, 73.9500,
105.3603

■ 58.4130, 65.6748,
104.2056

■ 76.4736, 83.1152,
106.6200

■ 51.2205, 58.2457,
103.1507

■ 87.4593, 93.1947,
107.9865

■ 45.1666, 51.6274,
102.1923

95.0500, 100.0000,
108.9000

■ 40.1778, 45.7780,
101.3262

■ 36.1712, 40.6508,
100.5477

■ 33.0504, 36.1917,
99.8515

■ 30.6956, 32.3346,
99.2311

■ 29.9482, 31.0163,
99.0161

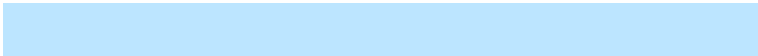
Harmonies

Analogous

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



63.4998, 73.9500, 95.9630



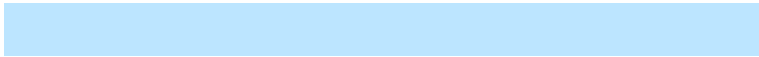
66.8083, 73.9500, 105.3603



71.1816, 73.9500, 107.8095

Triad

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



66.8083, 73.9500, 105.3603



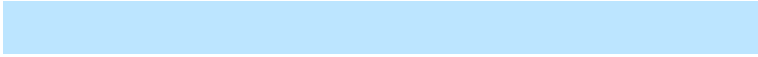
79.2627, 73.9500, 77.9954



65.3282, 73.9500, 62.0447

Complementary

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



66.8083, 73.9500, 105.3603



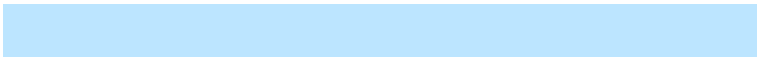
74.3636, 72.9833, 57.7464

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.



69.4005, 73.9500, 58.2726



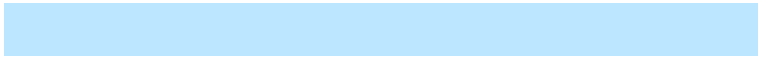
66.8083, 73.9500, 105.3603



77.5420, 73.9500, 66.8278

Square

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



66.8083, 73.9500, 105.3603



78.4967, 73.9500, 91.0825



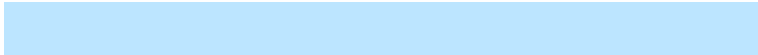
73.8849, 73.9500, 59.9256



62.6711, 73.9500, 70.8055

Rectangle

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



66.8083, 73.9500, 105.3603



74.1401, 73.9500, 104.9669



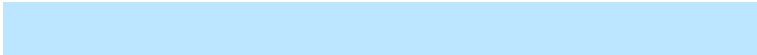
73.8849, 73.9500, 59.9256



66.5703, 73.9500, 60.1964

Sweetspot

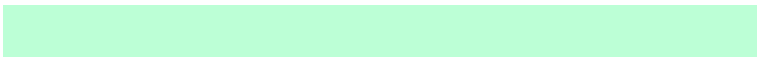
The Sweet Spot groups the original color and five complimentary colors.



66.8103, 73.9529, 105.3608



85.4657, 91.3875, 107.7428



68.5972, 87.0507, 76.5947



17.9285, 19.2285, 23.0165



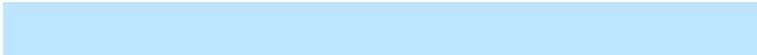
0.0000, 0.0000, 0.0000



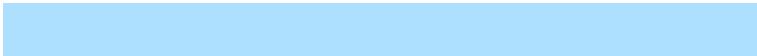
20.3446, 21.4041, 23.3091

Same Dimension

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



66.8103, 73.9529, 105.3608



61.8504, 69.1063, 104.6867



58.4889, 57.3101, 102.5870



17.9285, 19.2285, 23.0165



15.7979, 16.5053, 51.7878



1.6443, 1.8193, 5.0778

Inverse Universe

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



73.3673, 62.8851, 82.4032



69.6254, 56.6468, 77.3158



83.6344, 91.5249, 60.8367



18.4765, 18.1739, 21.1266



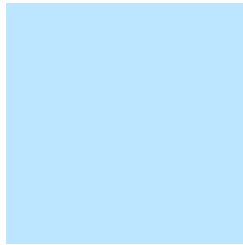
24.7622, 12.3942, 17.9302



2.4646, 1.2282, 2.0279

Previews

White Background



This preview shows how the XYZ color 66.8083, 73.9500, 105.3603 looks on a white background.

Color Contrast Check

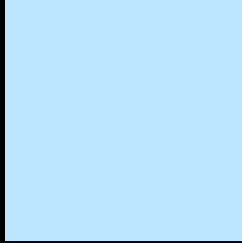
Large Text (above 18pt) WCAG AA × Fail

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 66.8083, 73.9500, 105.3603 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

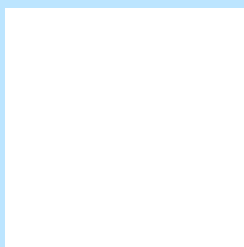
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.8083, 73.9500, 105.3603

Background



This preview shows how black text looks on a background with the XYZ color 66.8083, 73.9500, 105.3603.



This preview shows how white text looks on a background with the XYZ color 66.8083, 73.9500,

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

66.8083, 73.9500, 105.3603

Protanopia

72.3252, 73.6751, 100.8512

Deuteranopia

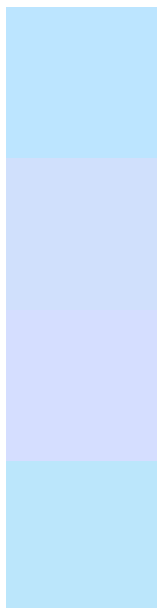
74.8000, 73.6937, 104.8897



Tritanopia

65.7336, 73.9357, 99.6134

Trichromacy



Original Color

66.8083, 73.9500, 105.3603

Protanomaly

70.2388, 73.7495, 102.6286

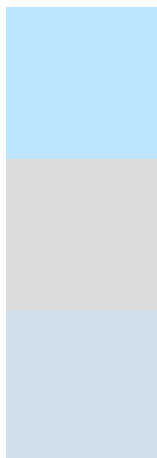
Deuteranomaly

71.6118, 73.6087, 105.0413

Tritanomaly

66.2029, 74.1235, 102.0848

Monochromacy



Original Color

66.8083, 73.9500, 105.3603

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

67.1081, 72.0684, 87.4644

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.8083, 73.9500, 105.3603 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(188, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(188, 229, 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(188, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 229, 255) }
```

Border

The CSS property to change the border of an element to XYZ 66.8083, 73.9500, 105.3603 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(188, 229, 255) }
```


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

```
.border{ border-color:rgb(188, 229, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 229, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 229, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 229, 255);  
box-shadow:4px 4px 4px 4px rgb(188, 229,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 66.8083, 73.9500, 105.3603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 229, 255) }
```

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

```
.background{ background-color: rgb(188,  
229, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor