

Converting Colors

XYZ(68.0106, 73.3464,
105.1805)

Have a look what the booklet for
XYZ(68.0106, 73.3464, 105.1805)
contains.

XYZ(68.0113, 73.3485, 105.1808)	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(68.0113, 73.3485,
105.1808)**

Conversions

Conversions Part 1

Format	Color
Hex	C4E2FF
RGB	196, 226, 255
RGB Percent	77%, 89%, 100%
CMY	0.2314, 0.1137, 0.0000
CMYK	0.23, 0.11, 0.00, 0.00
HSL	209°, 100%, 88%
HSV	209°, 23%, 100%
XYZ	68.0113, 73.3485, 105.1808
YIQ	220.3360, -27.1890, 2.6590

Conversions

Conversions Part 2

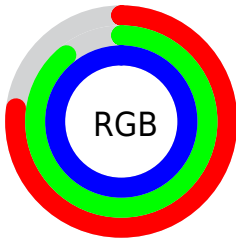
Format	Color
R_{YB}	196, 216, 255
Decimal	12903167
CIE _{Lab}	88.61, -3.70, -17.34
CIE _{LCh}	89, 17.730, 257.939
Yxy	73.3485, 0.2759, 0.2975
Android (android.graphics.Color)	4291093247 (0xFFC4E2FF)
YUV	220.3360, 17.0894, -21.3427
Hunter-Lab	85.6437, -8.1263, -12.8646

Details

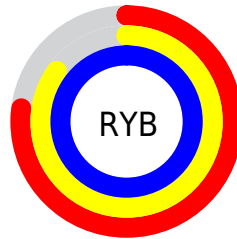
The XYZ color **68.0113, 73.3485, 105.1808** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **78.1289, 79.0951, 63.3753**, and the grayscale version is **68.1618, 71.7115, 78.0939**.

A 20% lighter version of the original color is **94.3180, 99.6226, 108.8657**, and **35.7405, 38.8658, 59.0442** is the 20% darker color. If you saturate the color by 10%, you get **58.6497, 63.6486, 103.8020**, and if you desaturate by 10%, it is **78.7533, 84.1335, 106.6964**.

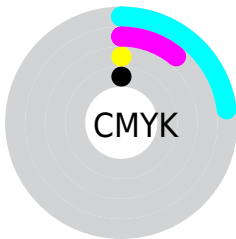
Distribution



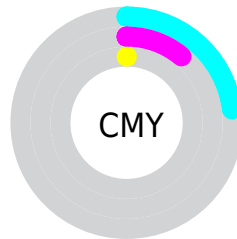
- Red (77%)
- Green (89%)
- Blue (100%)



- Red (77%)
- Yellow (85%)
- Blue (100%)



- Cyan (23%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (23%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.0113, 73.3485, 105.1808 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 68.0113, 73.3485, 105.1808 by changing the saturation by 10% instead.

68.0113, 73.3485,
105.1808

68.0113, 73.3485,
105.1808

442.9121,
472.2218, 598.0661

50.1806, 54.2610,
79.9933

115.4101,
123.9718, 170.3725

35.7753, 38.8103,
59.1867

145.7090,
156.2764, 211.2138

24.4300, 26.6122,
42.3425

180.8947,
193.7555, 258.1101

15.7794, 17.2822,
29.0420

221.3325,
236.7934, 311.4800

9.4580, 10.4359,
18.8667

267.3878,
285.7746, 371.7420

5.1006, 5.6889,
11.3982

319.4259,

2.3418, 2.6569,

341.0835, 439.3147

6.2178

377.8122,
403.1044, 514.6165

■ 0.8159, 0.9553,
2.9070

■ 0.0000, 0.0000,
1.0474

■ 68.0113, 73.3485,
105.1808

■ 68.0113, 73.3485,
105.1808

■ 58.6497, 63.6486,
103.8020

■ 78.7533, 84.1335,
106.6964

■ 50.6001, 54.9851,
102.5540

■ 90.9277, 96.0326,
108.3515

■ 43.7973, 47.3182,
101.4327

95.0500, 100.0000,
108.9000

■ 38.1671, 40.6013,
100.4330

■ 33.6271, 34.7831,
99.5492

■ 30.0824, 29.8056,
98.7753

■ 27.4185, 25.6004,
98.1040

■ 25.9895, 23.0989,
97.6965

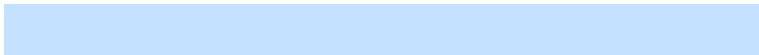
Harmonies

Analogous

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



64.3503, 73.3485, 98.6567



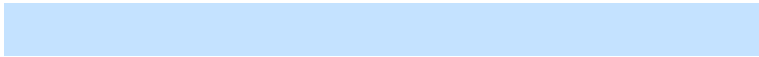
68.0113, 73.3485, 105.1808



72.2792, 73.3485, 104.4315

Triad

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



68.0113, 73.3485, 105.1808



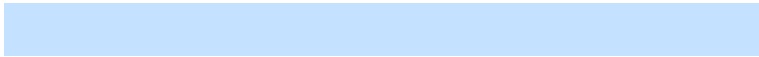
77.8356, 73.3485, 72.8274



63.7866, 73.3485, 65.1025

Complementary

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



68.0113, 73.3485, 105.1808



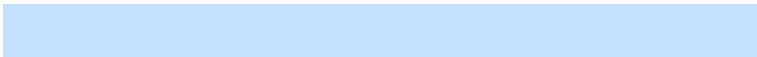
78.1289, 79.0951, 63.3753

Split Complementary

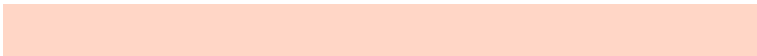
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



67.2132, 73.3485, 59.4875



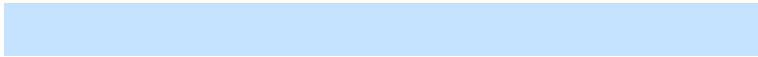
68.0113, 73.3485, 105.1808



75.3711, 73.3485, 63.6236

Square

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



68.0113, 73.3485, 105.1808



78.0708, 73.3485, 84.8870



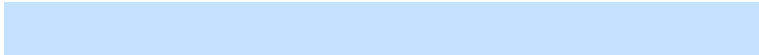
71.4480, 73.3485, 58.9753



61.9788, 73.3485, 75.0433

Rectangle

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



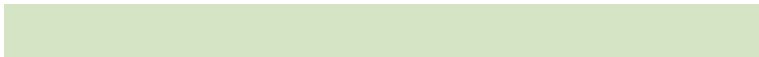
68.0113, 73.3485, 105.1808



74.8948, 73.3485, 99.9156



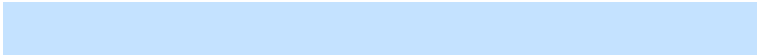
71.4480, 73.3485, 58.9753



64.7808, 73.3485, 62.6924

Sweetspot

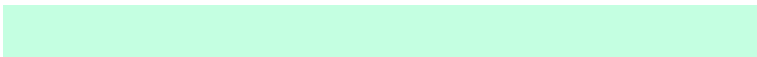
The Sweet Spot groups the original color and five complimentary colors.



68.0133, 73.3514, 105.1813



86.0501, 91.3002, 107.6951



72.0506, 88.6661, 84.2068



18.2594, 19.3871, 23.0297



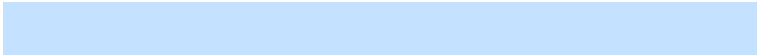
0.0000, 0.0000, 0.0000



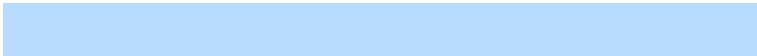
20.3446, 21.4041, 23.3091

Same Dimension

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



68.0133, 73.3514, 105.1813



63.2908, 68.4996, 104.4937



60.7788, 58.8824, 102.7698



17.7667, 18.9049, 22.9626



13.7299, 12.3694, 51.0985



1.4462, 1.4230, 5.0117

Inverse Universe

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



74.7087, 66.2324, 80.8014



71.2037, 60.5375, 75.5790



86.6512, 96.1399, 66.2161



18.3949, 18.1413, 20.6965



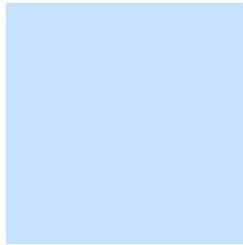
23.7184, 11.9767, 12.4336



2.3646, 1.1882, 1.5012

Previews

White Background



This preview shows how the XYZ color 68.0113, 73.3485, 105.1808 looks on a white background.

Color Contrast Check

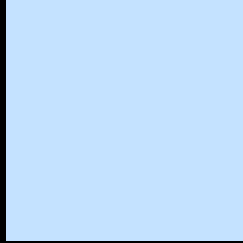
Large Text (above 18pt) WCAG AA × Fail

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 68.0113, 73.3485, 105.1808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

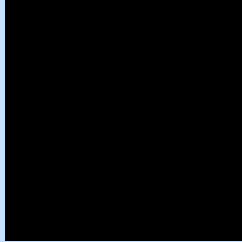
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

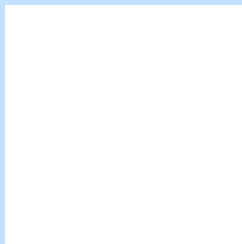
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.0113, 73.3485, 105.1808

Background



This preview shows how black text looks on a background with the XYZ color 68.0113, 73.3485, 105.1808.

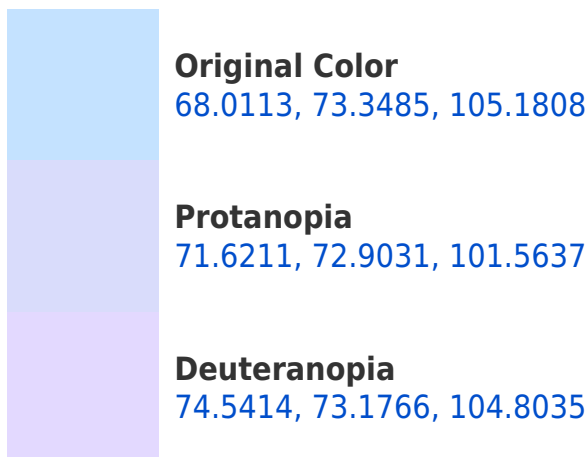


This preview shows how white text looks on a background with the XYZ color 68.0113, 73.3485,

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

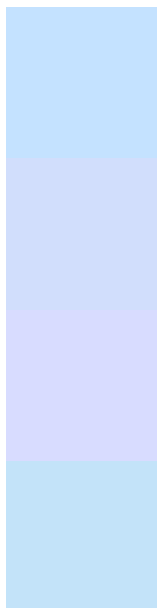




Tritanopia

66.6261, 73.6100, 97.8854

Trichromacy



Original Color

68.0113, 73.3485, 105.1808

Protanomaly

69.9865, 72.8261, 102.4636

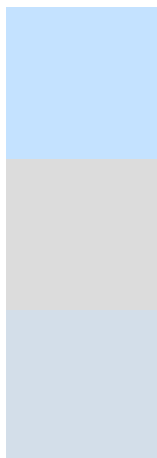
Deuteranomaly

71.9621, 73.0053, 104.9064

Tritanomaly

67.0736, 73.3798, 100.2511

Monochromacy



Original Color

68.0113, 73.3485, 105.1808

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

67.6932, 71.9746, 87.4155

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.0113, 73.3485, 105.1808 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(196, 226, 255)` looks like.

```
.text, #text, p{  
    color:rgb(196, 226, 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(196, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 226, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.0113, 73.3485, 105.1808 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(196, 226, 255) }
```


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

```
.border{ border-color:rgb(196, 226, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 226, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 226, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 226, 255); box-shadow:4px 4px 4px 4px rgb(196, 226, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.0113, 73.3485, 105.1808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 226, 255) }
```

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

```
.background{ background-color: rgb(196,  
226, 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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