

Converting Colors

XYZ(68.8250, 74.8405,
105.4259)

Have a look what the booklet for
XYZ(68.8250, 74.8405, 105.4259)
contains.

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Color

**XYZ(68.8343, 74.9944,
105.4552)**

Conversions

Conversions Part 1

Format	Color
Hex	C4E5FF
RGB	196, 229, 255
RGB Percent	77%, 90%, 100%
CMY	0.2314, 0.1019, 0.0000
CMYK	0.23, 0.10, 0.00, 0.00
HSL	206°, 100%, 88%
HSV	206°, 23%, 100%
XYZ	68.8343, 74.9944, 105.4552
YIQ	222.0970, -28.0140, 1.0900

Conversions

Conversions Part 2

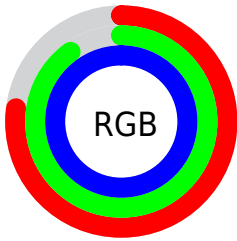
Format	Color
R_{YB}	196, 217, 255
Decimal	12903935
CIE _{Lab}	89.39, -5.26, -16.17
CIE _{LCh}	89, 17.004, 251.995
Yxy	74.9944, 0.2761, 0.3008
Android (android.graphics.Color)	4291094015 (0xFFC4E5FF)
YUV	222.0970, 16.2212, -22.8871
Hunter-Lab	86.5993, -9.6663, -11.5801

Details

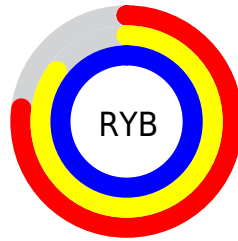
The XYZ color **68.8343, 74.9944, 105.4552** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **77.3250, 77.4874, 63.1075**, and the grayscale version is **69.4046, 73.0191, 79.5178**.

A 20% lighter version of the original color is **94.3180, 99.6226, 108.8657**, and **36.3136, 40.0120, 59.2352** is the 20% darker color. If you saturate the color by 10%, you get **59.7480, 65.8452, 104.1681**, and if you desaturate by 10%, it is **79.2531, 85.1331, 106.8630**.

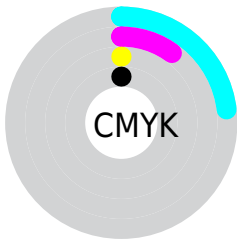
Distribution



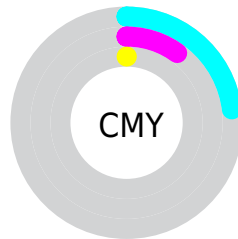
- Red (77%)
- Green (90%)
- Blue (100%)



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



- Cyan (23%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (23%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.8343, 74.9944, 105.4552 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 68.8343, 74.9944, 105.4552 by changing the saturation by 10% instead.

68.8343, 74.9944,
105.4552

68.8343, 74.9944,
105.4552

445.7769,
477.8983, 598.9399

50.8529, 55.6083,
80.2220

116.5802,
126.3044, 170.7509

36.3121, 39.8890,
59.3738

147.0755,
158.9972, 211.6505

24.8466, 27.4520,
42.4921

182.4728,
196.8942, 258.6092

16.0909, 17.9130,
29.1584

223.1375,
240.3800, 312.0457

9.6798, 10.8875,
18.9541

269.4348,
289.8389, 372.3785

5.2478, 5.9912,
11.4606

321.7303,

2.4296, 2.8398,

345.6553, 440.0261

6.2595

380.3892,
408.2137, 515.4071

■ 0.8599, 1.0487,
2.9322

■ 0.0000, 0.0000,
1.0601

■ 68.8343, 74.9944,
105.4552

■ 68.8343, 74.9944,
105.4552

■ 59.7480, 65.8452,
104.1681

■ 79.2531, 85.1331,
106.8630

■ 51.9274, 57.6396,
102.9964

■ 91.0550, 96.2871,
108.3939

■ 45.3087, 50.3410,
101.9365

■ 95.0500, 100.0000,
108.9000

■ 39.8196, 43.9062,
100.9838

■ 35.3792, 38.2872,
100.1332

■ 31.8945, 33.4298,
99.3793

■ 29.2531, 29.2695,
98.7155

■ 27.8187, 26.7573,
98.3062

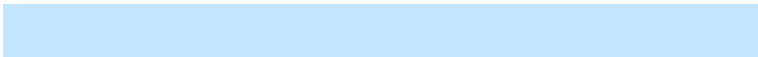
Harmonies

Analogous

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



65.4950, 74.9944, 97.9740



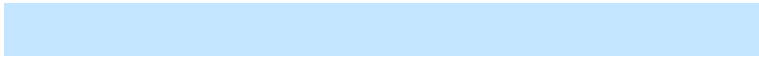
68.8343, 74.9944, 105.4552



72.9564, 74.9944, 106.1946

Triad

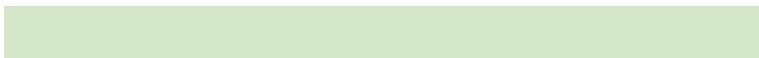
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.8343, 74.9944, 105.4552



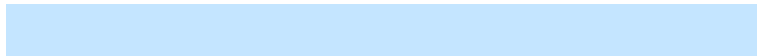
79.3997, 74.9944, 76.9840



66.0575, 74.9944, 65.7765

Complementary

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



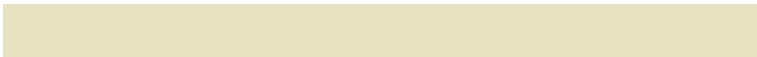
68.8343, 74.9944, 105.4552



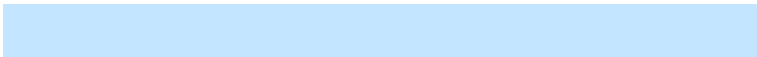
77.3250, 77.4874, 63.1075

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.



69.6293, 74.9944, 61.2227



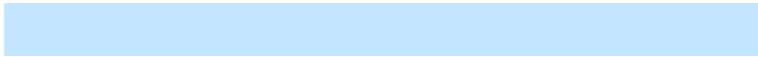
68.8343, 74.9944, 105.4552



77.3958, 74.9944, 67.2588

Square

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



68.8343, 74.9944, 105.4552



79.1665, 74.9944, 88.9488



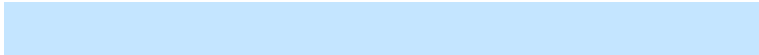
73.7828, 74.9944, 61.7376



63.9353, 74.9944, 74.7734

Rectangle

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



68.8343, 74.9944, 105.4552



75.6057, 74.9944, 102.6815



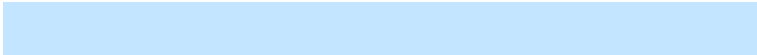
73.7828, 74.9944, 61.7376



67.1224, 74.9944, 63.7167

Sweetspot

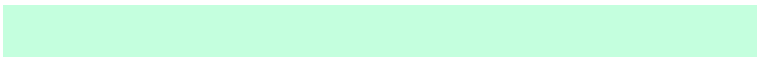
The Sweet Spot groups the original color and five complimentary colors.



68.8363, 74.9973, 105.4556



86.3272, 91.8544, 107.7875



71.6528, 88.5070, 82.1114



18.3236, 19.5154, 23.0510



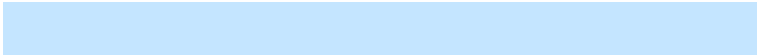
0.0000, 0.0000, 0.0000



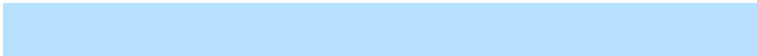
20.3446, 21.4041, 23.3091

Same Dimension

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



68.8363, 74.9973, 105.4556



64.2535, 70.4251, 104.8146



61.4553, 60.2352, 102.9953



17.8459, 19.0634, 22.9890



14.6872, 14.2840, 51.4176



1.5390, 1.6086, 5.0427

Inverse Universe

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



75.1241, 66.3986, 82.9889



71.6897, 60.7319, 78.1380



85.7222, 94.2818, 65.9066



18.4349, 18.1573, 20.9071



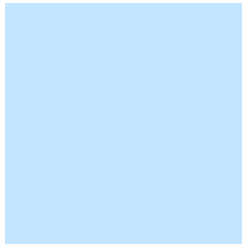
24.2016, 12.1699, 14.9781



2.4114, 1.2069, 1.7479

Previews

White Background



This preview shows how the XYZ color 68.8343, 74.9944, 105.4552 looks on a white background.

Color Contrast Check

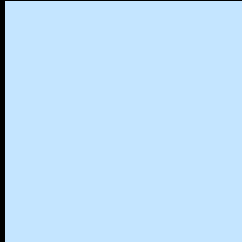
Large Text (above 18pt) WCAG AA × Fail

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 68.8343, 74.9944, 105.4552 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

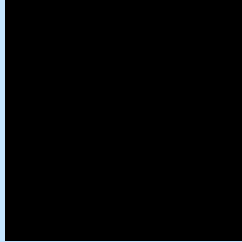
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

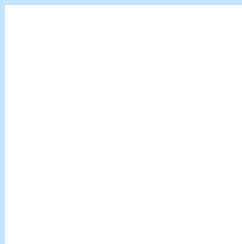
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.8343, 74.9944, 105.4552

Background



This preview shows how black text looks on a background with the XYZ color 68.8343, 74.9944, 105.4552.

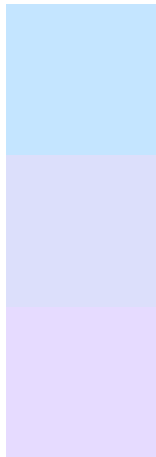


This preview shows how white text looks on a background with the XYZ color 68.8343, 74.9944,

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

68.8343, 74.9944, 105.4552

Protanopia

73.3155, 74.9560, 101.8706

Deuteranopia

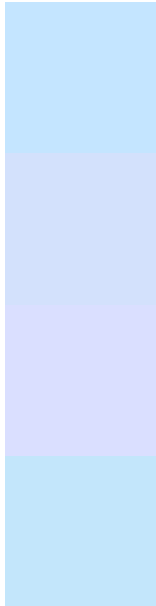
76.0146, 74.7060, 105.0210



Tritanopia

67.7458, 74.9730, 99.7076

Trichromacy



Original Color

68.8343, 74.9944, 105.4552

Protanomaly

71.3599, 74.7276, 102.7583

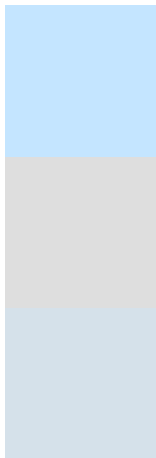
Deuteranomaly

73.3511, 74.9008, 105.1990

Tritanomaly

68.2151, 75.1608, 102.1789

Monochromacy



Original Color

68.8343, 74.9944, 105.4552

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

69.2171, 73.9371, 88.4651

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.8343, 74.9944, 105.4552 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, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(196, 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(196, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 229, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.8343, 74.9944, 105.4552 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, 229, 255) }
```


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

```
.border{ border-color:rgb(196, 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(196, 229, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 229, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 229, 255);  
box-shadow:4px 4px 4px 4px rgb(196, 229,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.8343, 74.9944, 105.4552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 229, 255) }
```

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

```
.background{ background-color: rgb(196,  
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](#).

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