

Converting Colors

XYZ(68.6428, 73.4593,
105.1689)

Have a look what the booklet for
XYZ(68.6428, 73.4593, 105.1689)
contains.

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Color

**XYZ(68.5284, 73.2125,
105.1273)**

Conversions

Conversions Part 1

Format	Color
Hex	C7E1FF
RGB	199, 225, 255
RGB Percent	78%, 88%, 100%
CMY	0.2196, 0.1176, 0.0000
CMYK	0.22, 0.12, 0.00, 0.00
HSL	212°, 100%, 89%
HSV	212°, 22%, 100%
XYZ	68.5284, 73.2125, 105.1273
YIQ	220.6460, -25.1260, 3.8180

Conversions

Conversions Part 2

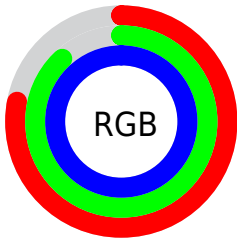
Format	Color
R _Y B	199, 217, 255
Decimal	13099519
CIE Lab	88.55, -2.30, -17.42
CIE LCh	89, 17.567, 262.492
Yxy	73.2125, 0.2776, 0.2966
Android (android.graphics.Color)	4291289599 (0xFFC7E1FF)
YUV	220.6460, 16.9365, -18.9835
Hunter-Lab	85.5643, -6.7770, -12.9508

Details

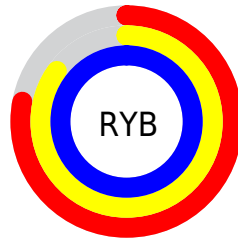
The XYZ color **68.5284, 73.2125, 105.1273** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **79.5680, 81.4214, 65.5569**, and the grayscale version is **68.3785, 71.9395, 78.3421**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.0694, 38.7560, 59.0057** is the 20% darker color. If you saturate the color by 10%, you get **58.7751, 62.9219, 103.6551**, and if you desaturate by 10%, it is **79.7148, 84.6842, 106.7520**.

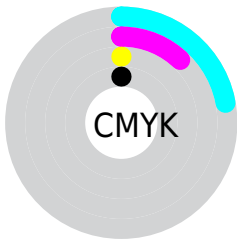
Distribution



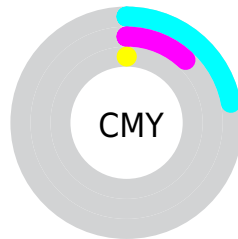
- Red (78%)
- Green (88%)
- Blue (100%)



- Red (78%)
- Yellow (85%)
- Blue (100%)



- Cyan (22%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.5284, 73.2125, 105.1273 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 68.5284, 73.2125, 105.1273 by changing the saturation by 10% instead.

■ 68.5284, 73.2125,
105.1273

■ 68.5284, 73.2125,
105.1273

444.7133,
471.7510, 597.8957

■ 50.6030, 54.1497,
79.9488

116.1455,
123.7788, 170.2987

■ 36.1125, 38.7214,
59.1503

146.5679,
156.0512, 211.1286

■ 24.6916, 26.5431,
42.3133

181.8866,
193.4956, 258.0128

■ 15.9749, 17.2303,
29.0193

222.4671,
236.4963, 311.3697

■ 9.5972, 10.3989,
18.8497

268.6747,
285.4378, 371.6179

■ 5.1929, 5.6642,
11.3860

320.8746,

■ 2.3968, 2.6420,

340.7045, 439.1759

6.2097

379.4324,
402.6808, 514.4623

■ 0.8435, 0.9478,
2.9021

■ 0.0000, 0.0000,
1.0449

■ 68.5284, 73.2125,
105.1273

■ 68.5284, 73.2125,
105.1273

■ 58.7751, 62.9219,
103.6551

■ 79.7148, 84.6842,
106.7520

■ 50.3856, 53.7608,
102.3290

■ 92.3874, 97.3686,
108.5324

■ 43.2934, 45.6863,
101.1443

■ 95.0500, 100.0000,
108.9000

■ 37.4237, 38.6488,
100.0953

■ 32.6931, 32.5938,
99.1759

■ 29.0065, 27.4603,
98.3793

■ 26.2504, 23.1772,
97.6978

■ 24.5764, 20.2727,
97.2255

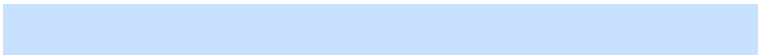
Harmonies

Analogous

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



64.7480, 73.2125, 99.6706



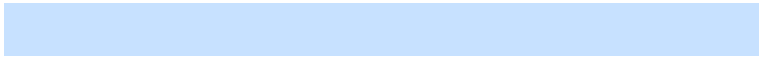
68.5284, 73.2125, 105.1273



72.7462, 73.2125, 103.2468

Triad

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



68.5284, 73.2125, 105.1273



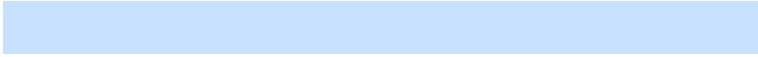
77.3793, 73.2125, 71.1281



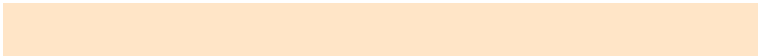
63.3282, 73.2125, 66.3507

Complementary

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



68.5284, 73.2125, 105.1273



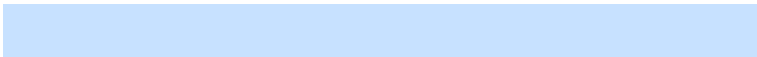
79.5680, 81.4214, 65.5569

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.



66.5192, 73.2125, 60.0631



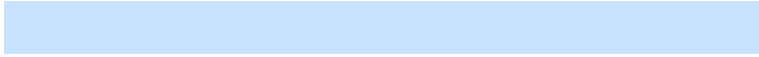
68.5284, 73.2125, 105.1273



74.6598, 73.2125, 62.6200

Square

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



68.5284, 73.2125, 105.1273



77.9704, 73.2125, 82.8001



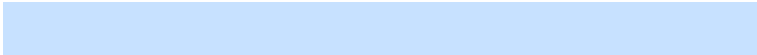
70.6550, 73.2125, 58.7699



61.8259, 73.2125, 76.7094

Rectangle

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



68.5284, 73.2125, 105.1273



75.2295, 73.2125, 98.1660



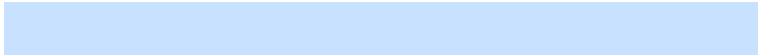
70.6550, 73.2125, 58.7699



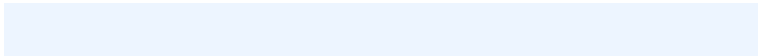
64.2326, 73.2125, 63.7358

Sweetspot

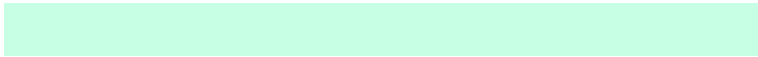
The Sweet Spot groups the original color and five complimentary colors.



68.5304, 73.2154, 105.1278



85.8104, 90.8208, 107.6152



73.4384, 89.3123, 87.4006



18.2039, 19.2761, 23.0112



0.0000, 0.0000, 0.0000



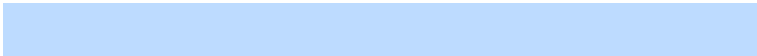
20.3446, 21.4041, 23.3091

Same Dimension

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



68.5304, 73.2154, 105.1278



64.4203, 68.9173, 104.5148



62.5265, 60.4677, 102.9837



17.6982, 18.7680, 22.9397



12.9876, 10.8849, 50.8511



1.3726, 1.2758, 4.9872

Inverse Universe

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



75.2553, 67.5447, 80.3084



72.2233, 62.6663, 75.6427



86.6258, 96.5514, 68.1053



18.3603, 18.1274, 20.5146



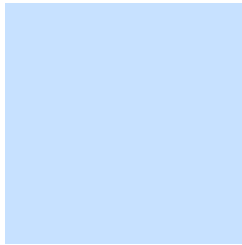
23.3438, 11.8268, 10.4607



2.3274, 1.1733, 1.3056

Previews

White Background



This preview shows how the XYZ color 68.5284, 73.2125, 105.1273 looks on a white background.

Color Contrast Check

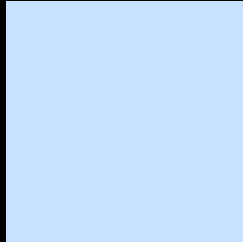
Large Text (above 18pt) WCAG AA × Fail

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 68.5284, 73.2125, 105.1273 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

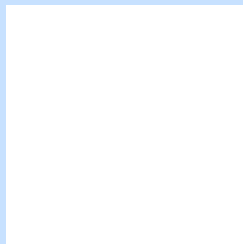
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.5284, 73.2125, 105.1273

Background



This preview shows how black text looks on a background with the XYZ color 68.5284, 73.2125, 105.1273.



This preview shows how white text looks on a background with the XYZ color 68.5284, 73.2125,

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

68.5284, 73.2125, 105.1273

Protanopia

71.7792, 72.9664, 102.3962

Deuteranopia

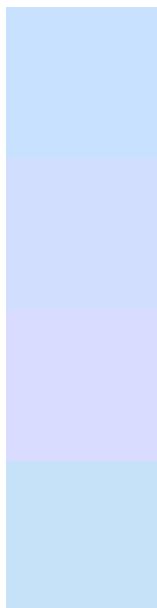
74.5414, 73.1766, 104.8035



Tritanopia

66.9765, 73.4011, 97.0240

Trichromacy



Original Color

68.5284, 73.2125, 105.1273

Protanomaly

70.4292, 73.0360, 103.3139

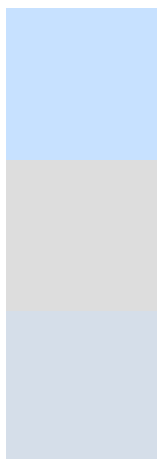
Deuteranomaly

72.2585, 73.1581, 104.9202

Tritanomaly

67.5839, 73.2380, 100.1968

Monochromacy



Original Color

68.5284, 73.2125, 105.1273

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

68.2698, 72.2719, 87.4425

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.5284, 73.2125, 105.1273 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(199, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(199, 225, 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(199, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 225, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.5284, 73.2125, 105.1273 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(199, 225, 255) }
```


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

```
.border{ border-color:rgb(199, 225, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 225, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(199, 225,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.5284, 73.2125, 105.1273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 225, 255) }
```

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

```
.background{ background-color: rgb(199,  
225, 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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