

Converting Colors

XYZ(70.8422, 73.7339,
112.8995)

Have a look what the booklet for
XYZ(70.8422, 73.7339, 112.8995)
contains.

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Color

**XYZ(69.3343, 73.2278,
105.0878)**

Conversions

Conversions Part 1

Format	Color
Hex	CBE0FF
RGB	203, 224, 255
RGB Percent	80%, 88%, 100%
CMY	0.2039, 0.1216, 0.0000
CMYK	0.20, 0.12, 0.00, 0.00
HSL	216°, 100%, 90%
HSV	216°, 20%, 100%
XYZ	69.3343, 73.2278, 105.0878
YIQ	221.2550, -22.4670, 5.1890

Conversions

Conversions Part 2

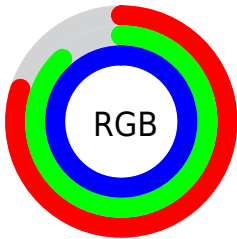
Format	Color
R _Y B	203, 218, 255
Decimal	13361407
CIE Lab	88.56, -0.58, -17.38
CIE LCh	89, 17.389, 268.102
Yxy	73.2278, 0.2800, 0.2957
Android (android.graphics.Color)	4291551487 (0xFFCBE0FF)
YUV	221.2550, 16.6363, -16.0096
Hunter-Lab	85.5732, -5.1265, -12.9095

Details

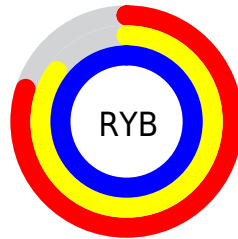
The XYZ color **69.3343, 73.2278, 105.0878** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **81.4422, 84.4167, 68.5034**, and the grayscale version is **68.8061, 72.3894, 78.8321**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.5938, 38.7491, 58.9767** is the 20% darker color. If you saturate the color by 10%, you get **59.0487, 62.1311, 103.4880**, and if you desaturate by 10%, it is **81.1313, 85.6496, 106.8637**.

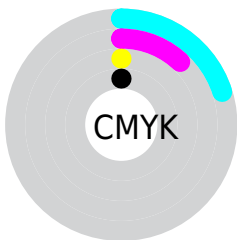
Distribution



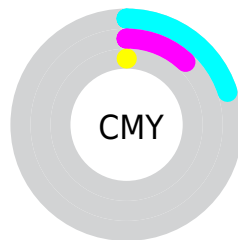
- Red (80%)
- Green (88%)
- Blue (100%)



- Red (80%)
- Yellow (85%)
- Blue (100%)



- Cyan (20%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.3343, 73.2278, 105.0878 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 69.3343, 73.2278, 105.0878 by changing the saturation by 10% instead.

■ 69.3343, 73.2278,
105.0878

■ 69.3343, 73.2278,
105.0878

447.5121,
471.8039, 597.7698

■ 51.2616, 54.1623,
79.9158

117.2904,
123.8005, 170.2442

■ 36.6388, 38.7314,
59.1233

147.9045,
156.0765, 211.0658

■ 25.1003, 26.5508,
42.2918

183.4299,
193.5248, 257.9409

■ 16.2809, 17.2362,
29.0025

224.2318,
236.5297, 311.2882

■ 9.8153, 10.4030,
18.8371

270.6756,
285.4757, 371.5262

■ 5.3380, 5.6670,
11.3770

323.1267,

■ 2.4837, 2.6437,

340.7471, 439.0735

6.2037

381.9504,
402.7284, 514.3485

■ 0.8870, 0.9487,
2.8985

■ 0.0000, 0.0000,
1.0431

■ 69.3343, 73.2278,
105.0878

■ 69.3343, 73.2278,
105.0878

■ 59.0487, 62.1311,
103.4880

■ 81.1313, 85.6496,
106.8637

■ 50.2031, 52.3030,
102.0572

■ 94.4949, 99.4328,
108.8198

■ 42.7292, 43.6953,
100.7897

■ 95.0500, 100.0000,
108.9000

■ 36.5503, 36.2531,
99.6789

■ 31.5813, 29.9166,
98.7177

■ 27.7259, 24.6188,
97.8983

■ 24.8702, 20.2834,
97.2120

■ 22.8997, 16.9194,
96.6666

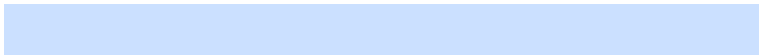
Harmonies

Analogous

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



65.4299, 73.2278, 100.9695



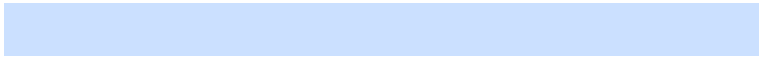
69.3343, 73.2278, 105.0878



73.4651, 73.2278, 101.8667

Triad

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



69.3343, 73.2278, 105.0878



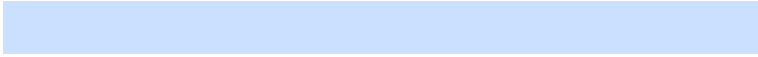
76.9522, 73.2278, 69.3506



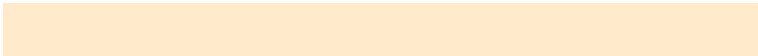
62.9826, 73.2278, 68.1514

Complementary

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



69.3343, 73.2278, 105.0878



81.4422, 84.4167, 68.5034

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.



65.8745, 73.2278, 61.0622



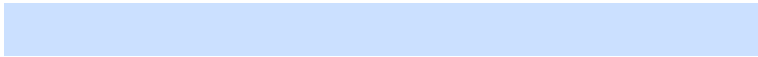
69.3343, 73.2278, 105.0878



73.9454, 73.2278, 61.7042

Square

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



69.3343, 73.2278, 105.0878



77.9674, 73.2278, 80.4994



69.8680, 73.2278, 58.8239



61.8553, 73.2278, 78.9708

Rectangle

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



69.3343, 73.2278, 105.0878



75.7714, 73.2278, 96.1550



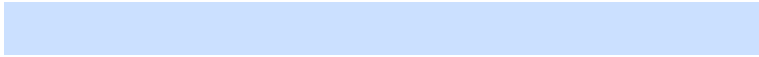
69.8680, 73.2278, 58.8239



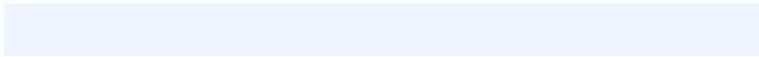
63.7747, 73.2278, 65.2954

Sweetspot

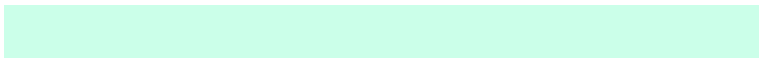
The Sweet Spot groups the original color and five complimentary colors.



69.3363, 73.2307, 105.0883



86.8026, 91.5311, 107.7000



75.1453, 90.1193, 90.7758



18.3946, 19.4006, 23.0251



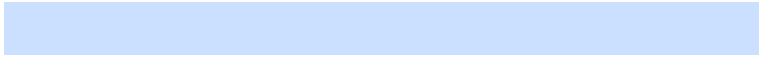
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



69.3363, 73.2307, 105.0883



65.4529, 69.0751, 104.4908



65.2328, 63.2472, 103.3775



17.6053, 18.5821, 22.9088



12.1026, 9.1148, 50.5560



1.2822, 1.0950, 4.9571

Inverse Universe

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



76.0518, 69.3554, 79.9028



73.2102, 64.8438, 75.3435



86.2036, 96.2794, 70.5422



18.3134, 18.1087, 20.2675



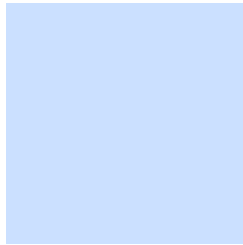
22.8970, 11.6481, 8.1082



2.2818, 1.1551, 1.0653

Previews

White Background



This preview shows how the XYZ color 69.3343, 73.2278, 105.0878 looks on a white background.

Color Contrast Check

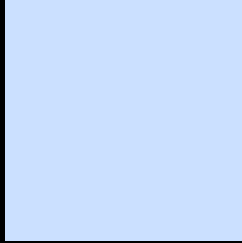
Large Text (above 18pt) WCAG AA × Fail

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 69.3343, 73.2278, 105.0878 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

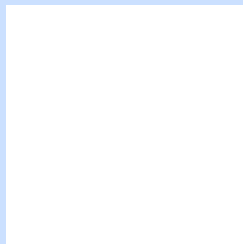
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.3343, 73.2278, 105.0878

Background



This preview shows how black text looks on a background with the XYZ color 69.3343, 73.2278, 105.0878.



This preview shows how white text looks on a background with the XYZ color 69.3343, 73.2278,

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

69.3343, 73.2278, 105.0878

Protanopia

71.9381, 73.0300, 103.2332

Deuteranopia

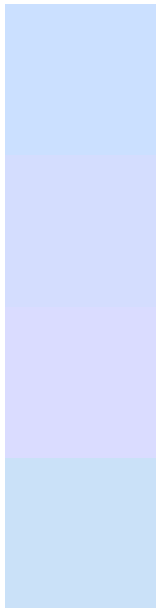
74.5414, 73.1766, 104.8035



Tritanopia

67.6129, 73.3419, 96.1808

Trichromacy



Original Color

69.3343, 73.2278, 105.0878

Protanomaly

70.8972, 72.8657, 104.0937

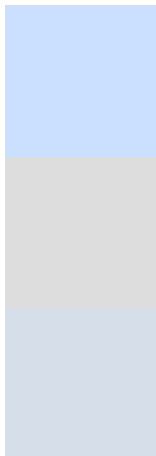
Deuteranomaly

72.5566, 73.3118, 104.9342

Tritanomaly

68.2256, 73.1843, 99.3370

Monochromacy



Original Color

69.3343, 73.2278, 105.0878

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

68.5608, 72.4219, 87.4561

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.3343, 73.2278, 105.0878 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(203, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(203, 224, 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(203, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 224, 255) }
```

Border

The CSS property to change the border of an element to XYZ 69.3343, 73.2278, 105.0878 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(203, 224, 255) }
```


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

```
.border{ border-color:rgb(203, 224, 255) }
```

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

Here you see how a box with a 4 pixel rgb(203, 224, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 224, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 224, 255);  
box-shadow:4px 4px 4px 4px rgb(203, 224,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 69.3343, 73.2278, 105.0878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 224, 255) }
```

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

```
.background{ background-color: rgb(203,  
224, 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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