

Converting Colors

XYZ(69.9565, 72.9233, 99.1968)

Have a look what the booklet for
XYZ(69.9565, 72.9233, 99.1968)
contains.

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Color

**XYZ(69.9285, 72.8687,
99.1864)**

Conversions

Conversions Part 1

Format	Color
Hex	D3DEF8
RGB	211, 222, 248
RGB Percent	83%, 87%, 97%
CMY	0.1725, 0.1294, 0.0274
CMYK	0.15, 0.10, 0.00, 0.03
HSL	222°, 73%, 90%
HSV	222°, 15%, 97%
XYZ	69.9285, 72.8687, 99.1864
YIQ	221.6750, -14.9020, 5.7540

Conversions

Conversions Part 2

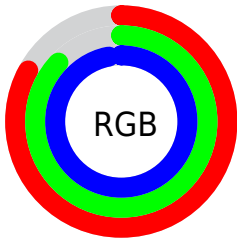
Format	Color
R _{YB}	211, 219, 248
Decimal	13885176
CIE Lab	88.39, 1.44, -13.90
CIE LCh	88, 13.978, 275.930
Yxy	72.8687, 0.2890, 0.3011
Android (android.graphics.Color)	4292075256 (0xFFD3DEF8)
YUV	221.6750, 12.9782, -9.3620
Hunter-Lab	85.3632, -3.1604, -9.1369

Details

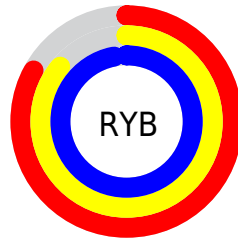
The XYZ color **69.9285, 72.8687, 99.1864** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **80.7540, 85.2278, 73.8240**, and the grayscale version is **69.1227, 72.7224, 79.1947**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.0434, 38.5111, 55.3502** is the 20% darker color. If you saturate the color by 10%, you get **58.9732, 60.7036, 97.4169**, and if you desaturate by 10%, it is **82.4626, 86.5616, 101.1699**.

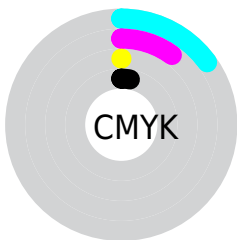
Distribution



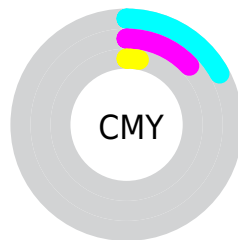
- Red (83%)
- Green (87%)
- Blue (97%)



- Red (83%)
- Yellow (86%)
- Blue (97%)



- Cyan (15%)
- Magenta (10%)
- Yellow (0%)
- Black (3%)



- Cyan (17%)
- Magenta (13%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.9285, 72.8687, 99.1864 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 69.9285, 72.8687, 99.1864 by changing the saturation by 10% instead.

■ 69.9285, 72.8687,
99.1864

■ 69.9285, 72.8687,
99.1864

449.5692,
470.5596, 578.8054

■ 51.7476, 53.8686,
75.0081

118.1336,
123.2908, 162.0808

■ 37.0274, 38.4966,
55.1178

148.8886,
155.4816, 201.6340

■ 25.4025, 26.3684,
39.0968

184.5656,
192.8381, 247.1492

■ 16.5075, 17.0994,
26.5266

225.5300,
235.7446, 299.0451

■ 9.9771, 10.3054,
16.9887

272.1473,
284.5857, 357.7401

■ 5.4459, 5.6019,
10.0646

324.7827,

■ 2.5486, 2.6046,

339.7456, 423.6528

5.3356

383.8015,
401.6088, 497.2017

■ 0.9198, 0.9290,
2.3833

■ 0.0000, 0.0000,
0.7774

■ 69.9285, 72.8687,
99.1864

■ 69.9285, 72.8687,
99.1864

■ 58.9732, 60.7036,
97.4169

■ 82.4626, 86.5616,
101.1699

■ 49.5256, 50.0024,
95.8493

■ 93.9435, 99.5574,
103.0733

■ 41.5188, 40.7101,
94.4777

■ 34.8780, 32.7643,
93.2940

■ 29.5211, 26.0977,
92.2895

■ 25.3569, 20.6364,
91.4549

■ 22.2807, 16.2978,
90.7796

■ 20.1666, 12.9858,
90.2517

■ 19.3755, 11.6414,
90.0339

Harmonies

Analogous

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



66.6600, 72.8687, 97.4460



69.9285, 72.8687, 99.1864



73.1167, 72.8687, 95.2721

Triad

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



69.9285, 72.8687, 99.1864



74.6190, 72.8687, 68.9807



63.5314, 72.8687, 72.0380

Complementary

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



69.9285, 72.8687, 99.1864



80.7540, 85.2278, 73.8240

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.



65.5404, 72.8687, 65.2940



69.9285, 72.8687, 99.1864



71.9257, 72.8687, 63.6312

Square

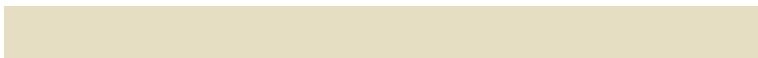
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.9285, 72.8687, 99.1864



75.8804, 72.8687, 77.4471



68.5948, 72.8687, 62.3378



63.0354, 72.8687, 81.2668

Rectangle

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



69.9285, 72.8687, 99.1864



74.7453, 72.8687, 90.1552



68.5948, 72.8687, 62.3378



64.0489, 72.8687, 69.4293

Sweetspot

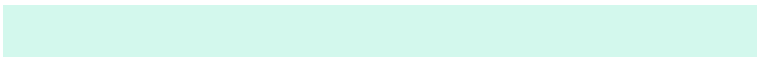
The Sweet Spot groups the original color and five complimentary colors.



69.9307, 72.8717, 99.1880



89.1526, 93.6288, 107.9811



75.7042, 87.0936, 92.8662



18.8517, 19.7904, 23.0763



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.



69.9307, 72.8717, 99.1880



70.6935, 73.4314, 105.0555



69.2722, 68.3346, 98.3470



16.7037, 17.4842, 21.8797



10.5725, 6.5005, 48.6710



1.0673, 0.7782, 4.5371

Inverse Universe

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



75.1922, 71.8206, 79.0103



77.3505, 72.2242, 79.4988



81.4658, 90.4697, 74.7983



17.4570, 17.3101, 18.9962



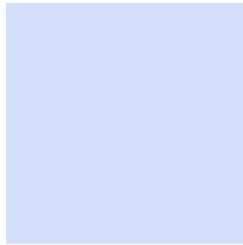
21.6285, 11.0671, 4.7522



2.0476, 1.0428, 0.6742

Previews

White Background



This preview shows how the XYZ color 69.9285, 72.8687, 99.1864 looks on a white background.

Color Contrast Check

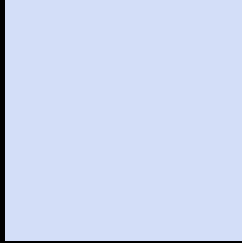
Large Text (above 18pt) WCAG AA × Fail

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 69.9285, 72.8687, 99.1864 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

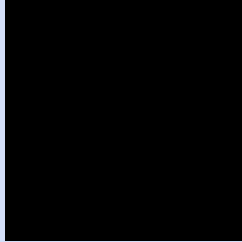
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.9285, 72.8687, 99.1864

Background



This preview shows how black text looks on a background with the XYZ color 69.9285, 72.8687, 99.1864.



This preview shows how white text looks on a background with the XYZ color 69.9285, 72.8687,

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

69.9285, 72.8687, 99.1864

Protanopia

71.2951, 72.8072, 98.2912

Deuteranopia

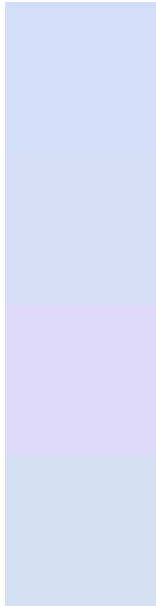
74.2879, 72.7743, 99.7540



Tritanopia

68.8432, 72.8279, 93.6478

Trichromacy



Original Color

69.9285, 72.8687, 99.1864

Protanomaly

70.6693, 72.8754, 98.3374

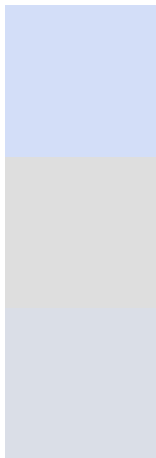
Deuteranomaly

72.6017, 72.6703, 99.8228

Tritanomaly

69.2952, 73.0086, 96.0278

Monochromacy



Original Color

69.9285, 72.8687, 99.1864

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

69.4585, 72.9175, 86.0149

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.9285, 72.8687, 99.1864 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(211, 222, 248)` looks like.

```
.text, #text, p{  
    color:rgb(211, 222, 248)  
}
```

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(211, 222, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 222, 248) }
```

Border

The CSS property to change the border of an element to XYZ 69.9285, 72.8687, 99.1864 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(211, 222, 248) }
```


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

```
.border{ border-color:rgb(211, 222, 248) }
```

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

Here you see how a box with a 4 pixel rgb(211, 222, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 222, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 222, 248);  
box-shadow:4px 4px 4px 4px rgb(211, 222,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 69.9285, 72.8687, 99.1864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 222, 248) }
```

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

```
.background{ background-color: rgb(211,  
222, 248) }
```

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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