

Converting Colors

XYZ(69.8619, 72.9301, 97.8902)

Have a look what the booklet for
XYZ(69.8619, 72.9301, 97.8902)
contains.

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Color

**XYZ(69.6198, 72.7453,
97.5607)**

Conversions

Conversions Part 1

Format	Color
Hex	D3DEF6
RGB	211, 222, 246
RGB Percent	83%, 87%, 96%
CMY	0.1725, 0.1294, 0.0353
CMYK	0.14, 0.10, 0.00, 0.04
HSL	221°, 66%, 90%
HSV	221°, 14%, 96%
XYZ	69.6198, 72.7453, 97.5607
YIQ	221.4470, -14.2600, 5.1320

Conversions

Conversions Part 2

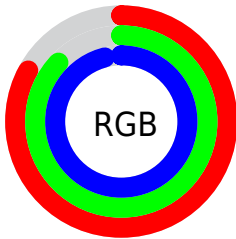
Format	Color
R _Y B	211, 219, 246
Decimal	13885174
CIE Lab	88.33, 1.03, -12.94
CIE LCh	88, 12.981, 274.564
Yxy	72.7453, 0.2902, 0.3032
Android (android.graphics.Color)	4292075254 (0xFFD3DEF6)
YUV	221.4470, 12.1046, -9.1620
Hunter-Lab	85.2909, -3.5560, -8.1158

Details

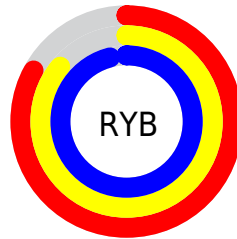
The XYZ color **69.6198, 72.7453, 97.5607** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **79.4727, 83.7123, 73.5989**, and the grayscale version is **68.9679, 72.5596, 79.0174**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.8233, 38.4231, 54.1908** is the 20% darker color. If you saturate the color by 10%, you get **58.8468, 60.8724, 95.8379**, and if you desaturate by 10%, it is **81.9239, 86.0766, 99.4866**.

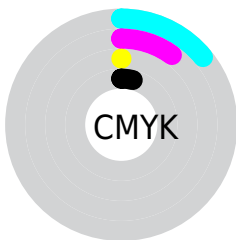
Distribution



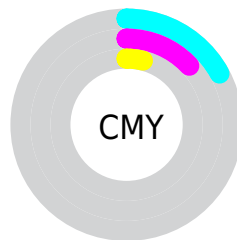
- Red (83%)
- Green (87%)
- Blue (96%)



- Red (83%)
- Yellow (86%)
- Blue (96%)



- Cyan (14%)
- Magenta (10%)
- Yellow (0%)
- Black (4%)



- Cyan (17%)
- Magenta (13%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.6198, 72.7453, 97.5607 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 69.6198, 72.7453, 97.5607 by changing the saturation by 10% instead.

■ 69.6198, 72.7453,
97.5607

■ 69.6198, 72.7453,
97.5607

448.5012,
470.1316, 573.5231

■ 51.4951, 53.7677,
73.6595

117.6956,
123.1156, 159.8235

■ 36.8254, 38.4160,
54.0203

148.3775,
155.2770, 199.0221

■ 25.2454, 26.3057,
38.2246

183.9758,
192.6019, 244.1569

■ 16.3897, 17.0525,
25.8539

224.8559,
235.4747, 295.6465

■ 9.8929, 10.2719,
16.4896

271.3831,
284.2796, 353.9094

■ 5.3897, 5.5796,
9.7131

323.9228,

■ 2.5148, 2.5912,

339.4011, 419.3641

5.1061

382.8404,
401.2237, 492.4291

■ 0.9027, 0.9222,
2.2498

■ 0.0000, 0.0000,
0.7029

■ 69.6198, 72.7453,
97.5607

■ 69.6198, 72.7453,
97.5607

■ 58.8468, 60.8724,
95.8379

■ 81.9239, 86.0766,
99.4866

■ 49.5362, 50.3973,
94.3068

■ 93.6348, 99.4339,
101.4475

■ 41.6240, 41.2685,
92.9618

■ 35.0384, 33.4277,
91.7954

■ 29.7009, 26.8117,
90.7997

■ 25.5242, 21.3515,
89.9659

■ 22.4082, 16.9698,
89.2844

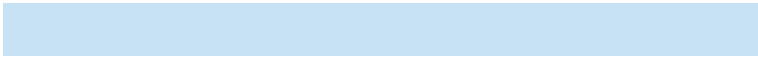
■ 20.2331, 13.5770,
88.7442

■ 19.3122, 12.0088,
88.4900

Harmonies

Analogous

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



66.6022, 72.7453, 95.7248



69.6198, 72.7453, 97.5607



72.5952, 72.7453, 94.1849

Triad

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



69.6198, 72.7453, 97.5607



74.1913, 72.7453, 69.8713



63.8746, 72.7453, 72.0679

Complementary

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



69.6198, 72.7453, 97.5607



79.4727, 83.7123, 73.5989

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.



65.8005, 72.7453, 65.9082



69.6198, 72.7453, 97.5607



71.7460, 72.7453, 64.7083

Square

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



69.6198, 72.7453, 97.5607



75.2844, 72.7453, 77.8505



68.6668, 72.7453, 63.3133



63.3435, 72.7453, 80.5797

Rectangle

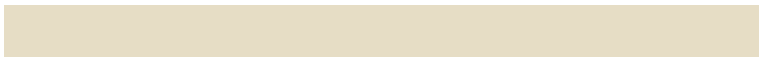
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.6198, 72.7453, 97.5607



74.1365, 72.7453, 89.5717



68.6668, 72.7453, 63.3133



64.3774, 72.7453, 69.6749

Sweetspot

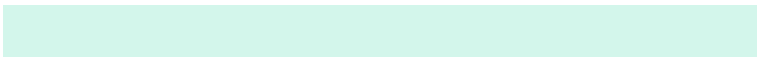
The Sweet Spot groups the original color and five complimentary colors.



69.6220, 72.7483, 97.5623



89.2059, 93.7354, 107.9988



74.8044, 85.7551, 91.1452



18.8651, 19.8173, 23.0808



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.



69.6220, 72.7483, 97.5623



72.1010, 75.1660, 105.3161



68.6695, 68.0595, 96.7075



16.0062, 16.7768, 20.9372



10.4183, 6.6304, 47.2687



1.0038, 0.7591, 4.1838

Inverse Universe

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



74.4868, 71.4569, 78.9774



78.3247, 73.6236, 81.5158



80.5088, 89.0684, 74.5781



16.7137, 16.5683, 18.2391



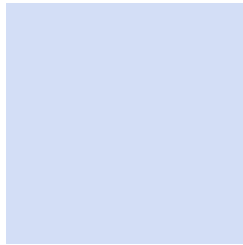
21.0632, 10.7687, 5.0412



1.8958, 0.9643, 0.6774

Previews

White Background



This preview shows how the XYZ color 69.6198, 72.7453, 97.5607 looks on a white background.

Color Contrast Check

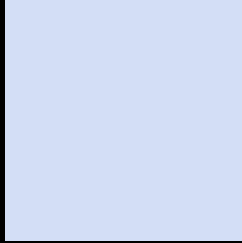
Large Text (above 18pt) WCAG AA × Fail

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 69.6198, 72.7453, 97.5607 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

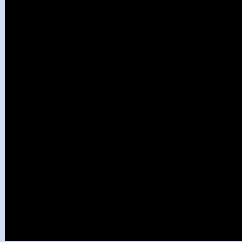
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.6198, 72.7453, 97.5607

Background



This preview shows how black text looks on a background with the XYZ color 69.6198, 72.7453, 97.5607.

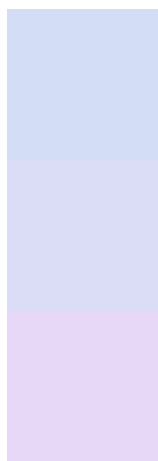


This preview shows how white text looks on a background with the XYZ color 69.6198, 72.7453,

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

69.6198, 72.7453, 97.5607

Protanopia

71.2880, 72.8390, 96.6883

Deuteranopia

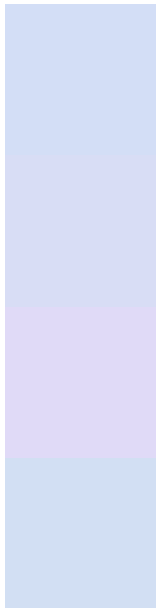
74.2994, 72.8161, 98.1346



Tritanopia

68.8432, 72.8279, 93.6478

Trichromacy



Original Color

69.6198, 72.7453, 97.5607

Protanomaly

70.6568, 72.9044, 96.7341

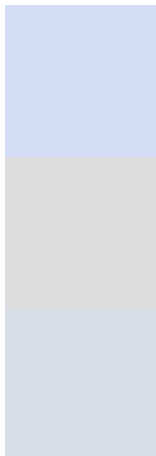
Deuteranomaly

72.6004, 72.7055, 98.2028

Tritanomaly

69.1437, 72.9481, 95.2301

Monochromacy



Original Color

69.6198, 72.7453, 97.5607

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

68.7547, 72.1778, 85.1709

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.6198, 72.7453, 97.5607 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, 246)` looks like.

```
.text, #text, p{  
    color:rgb(211, 222, 246)  
}
```

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, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 222, 246) }
```

Border

The CSS property to change the border of an element to XYZ 69.6198, 72.7453, 97.5607 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, 246) }
```


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

```
.border{ border-color:rgb(211, 222, 246) }
```

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, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 222, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 222, 246);  
box-shadow:4px 4px 4px 4px rgb(211, 222,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 69.6198, 72.7453, 97.5607 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, 246) }
```

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

```
.background{ background-color: rgb(211,  
222, 246) }
```

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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