

Converting Colors

XYZ(70.1694, 68.5432, 98.8729)

Have a look what the booklet for
XYZ(70.1694, 68.5432, 98.8729)
contains.

XYZ(70.2697, 68.4623, 99.1335)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(70.2697, 68.4623,
99.1335)**

Conversions

Conversions Part 1

Format	Color
Hex	DED2F9
RGB	222, 210, 249
RGB Percent	87%, 82%, 98%
CMY	0.1294, 0.1765, 0.0235
CMYK	0.11, 0.16, 0.00, 0.02
HSL	258°, 76%, 90%
HSV	258°, 16%, 98%
XYZ	70.2697, 68.4623, 99.1335
YIQ	218.0340, -5.3670, 14.6730

Conversions

Conversions Part 2

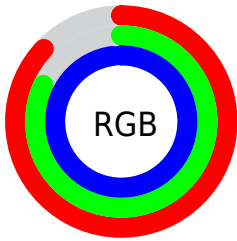
Format	Color
R _Y B	222, 210, 249
Decimal	14603001
CIE Lab	86.24, 11.44, -17.57
CIE LCh	86, 20.965, 303.055
Yxy	68.4623, 0.2954, 0.2878
Android (android.graphics.Color)	4292793081 (0xFFDED2F9)
YUV	218.0340, 15.2662, 3.4782
Hunter-Lab	82.7419, 6.7951, -13.1163

Details

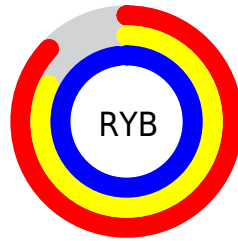
The XYZ color **70.2697, 68.4623, 99.1335** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **80.4359, 90.4108, 74.1875**, and the grayscale version is **66.5665, 70.0331, 76.2661**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.4505, 35.8427, 55.3966** is the 20% darker color. If you saturate the color by 10%, you get **59.5814, 54.5268, 97.0081**, and if you desaturate by 10%, it is **82.4585, 84.5947, 101.6060**.

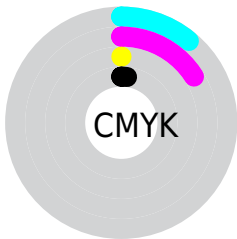
Distribution



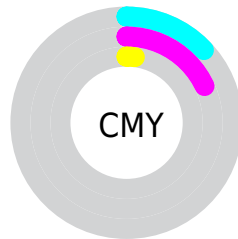
- Red (87%)
- Green (82%)
- Blue (98%)



- Red (87%)
- Yellow (82%)
- Blue (98%)



- Cyan (11%)
- Magenta (16%)
- Yellow (0%)
- Black (2%)



- Cyan (13%)
- Magenta (18%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.2697, 68.4623, 99.1335 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 70.2697, 68.4623, 99.1335 by changing the saturation by 10% instead.

70.2697, 68.4623,
99.1335

70.2697, 68.4623,
99.1335

450.7481,
455.1322, 578.6339

52.0268, 50.2739,
74.9642

118.6175,
117.0133, 162.0074

37.2508, 35.6311,
55.0820

149.4531,
148.1446, 201.5491

25.5763, 24.1494,
39.0684

185.2169,
184.3591, 247.0520

16.6380, 15.4445,
26.5047

226.2745,
226.0411, 298.9347

10.0704, 9.1319,
16.9724

272.9910,
273.5750, 357.6157

5.5083, 4.8273,
10.0531

325.7318,

2.5863, 2.1463,

327.3453, 423.5135

5.3281

384.8624,
387.7362, 497.0468

■ 0.9390, 0.6905,
2.3789

■ 0.0000, 0.0000,
0.7749

■ 70.2697, 68.4623,
99.1335

■ 70.2697, 68.4623,
99.1335

■ 59.5814, 54.5268,
97.0081

■ 82.4585, 84.5947,
101.6060

■ 50.3272, 42.6832,
95.2098

■ 94.0991, 99.6196,
103.8926

■ 42.4446, 32.8304,
93.7235

■ 35.8640, 24.8556,
92.5310

■ 30.5091, 18.6342,
91.6124

■ 26.2950, 14.0263,
90.9451

■ 23.1244, 10.8691,
90.5028

■ 20.8804, 8.9633,
90.2532

■ 20.1280, 8.4011,
90.1843

Harmonies

Analogous

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



65.5676, 68.4623, 104.3839



70.2697, 68.4623, 99.1335



73.7066, 68.4623, 87.2578

Triad

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



70.2697, 68.4623, 99.1335



69.3712, 68.4623, 53.2580



56.2308, 68.4623, 75.9703

Complementary

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



70.2697, 68.4623, 99.1335



80.4359, 90.4108, 74.1875

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.



57.1383, 68.4623, 63.1290



70.2697, 68.4623, 99.1335



64.5777, 68.4623, 51.0129

Square

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



70.2697, 68.4623, 99.1335



73.1701, 68.4623, 60.9567



60.1359, 68.4623, 54.3989



57.5934, 68.4623, 90.0133

Rectangle

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



70.2697, 68.4623, 99.1335



74.7329, 68.4623, 77.8065



60.1359, 68.4623, 54.3989



56.2806, 68.4623, 71.3736

Sweetspot

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



70.2718, 68.4652, 99.1350



87.9432, 90.4972, 107.4404



74.0506, 81.2856, 101.4104



18.6168, 19.0947, 22.9544



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.



70.2718, 68.4652, 99.1350



70.2117, 67.0717, 103.8533



76.4915, 71.6716, 99.4261



16.7853, 16.9019, 21.7630



10.9009, 4.5623, 48.2796



1.1129, 0.4758, 4.4764

Inverse Universe

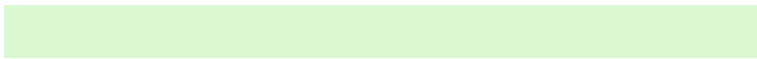
The Inverse Universe completely reimagines the original color for something new.



77.4018, 72.3502, 90.0092



79.1861, 71.9648, 92.2284



74.3645, 87.2808, 73.9034



17.7523, 17.4283, 20.5516



24.9847, 12.4096, 22.4255



2.3614, 1.1683, 2.3266

Previews

White Background



This preview shows how the XYZ color 70.2697, 68.4623, 99.1335 looks on a white background.

Color Contrast Check

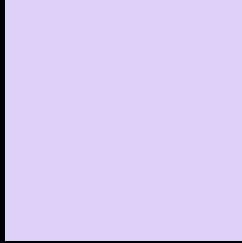
Large Text (above 18pt) WCAG AA × Fail

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 70.2697, 68.4623, 99.1335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

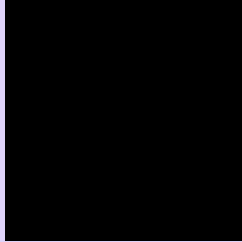
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.2697, 68.4623, 99.1335

Background



This preview shows how black text looks on a background with the XYZ color 70.2697, 68.4623, 99.1335.



This preview shows how white text looks on a background with the XYZ color 70.2697, 68.4623,

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

70.2697, 68.4623, 99.1335

Protanopia

67.9117, 68.6767, 101.7721

Deuteranopia

69.9643, 68.3049, 99.1192



Tritanopia

67.2906, 68.3617, 84.5115

Trichromacy



Original Color

70.2697, 68.4623, 99.1335

Protanomaly

68.9384, 68.8497, 100.9227

Deuteranomaly

69.9643, 68.3049, 99.1192

Tritanomaly

68.3447, 68.4170, 89.7244

Monochromacy



Original Color

70.2697, 68.4623, 99.1335

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

67.6567, 69.3181, 83.9426

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.2697, 68.4623, 99.1335 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(222, 210, 249)` looks like.

```
.text, #text, p{  
    color:rgb(222, 210, 249)  
}
```

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(222, 210, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 210, 249) }
```

Border

The CSS property to change the border of an element to XYZ 70.2697, 68.4623, 99.1335 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(222, 210, 249) }
```


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

```
.border{ border-color:rgb(222, 210, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 210, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 210, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 210, 249);  
box-shadow:4px 4px 4px 4px rgb(222, 210,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 70.2697, 68.4623, 99.1335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 210, 249) }
```

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

```
.background{ background-color: rgb(222,  
210, 249) }
```

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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