

Converting Colors

XYZ(70.2523, 71.0210, 89.9835)

Have a look what the booklet for
XYZ(70.2523, 71.0210, 89.9835)
contains.

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Color

**XYZ(70.2734, 70.9141,
90.1048)**

Conversions

Conversions Part 1

Format	Color
Hex	DFD8ED
RGB	223, 216, 237
RGB Percent	87%, 85%, 93%
CMY	0.1255, 0.1529, 0.0706
CMYK	0.06, 0.09, 0.00, 0.07
HSL	260°, 37%, 89%
HSV	260°, 9%, 93%
XYZ	70.2734, 70.9141, 90.1048
YIQ	220.4870, -2.5690, 8.0150

Conversions

Conversions Part 2

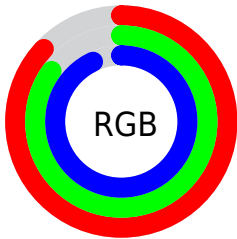
Format	Color
R _Y B	223, 216, 237
Decimal	14670061
CIE Lab	87.44, 6.24, -9.42
CIE LCh	87, 11.301, 303.541
Yxy	70.9141, 0.3038, 0.3066
Android (android.graphics.Color)	4292860141 (0xFFDFD8ED)
YUV	220.4870, 8.1409, 2.2039
Hunter-Lab	84.2105, 1.5893, -4.4926

Details

The XYZ color **70.2734, 70.9141, 90.1048** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **75.3145, 82.3511, 76.8950**, and the grayscale version is **68.3157, 71.8734, 78.2701**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.2338, 37.1508, 48.9244** is the 20% darker color. If you saturate the color by 10%, you get **59.9910, 57.2420, 88.0089**, and if you desaturate by 10%, it is **81.8902, 86.5779, 92.5170**.

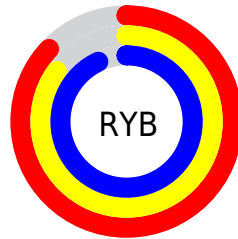
Distribution



Red (87%)

Green (85%)

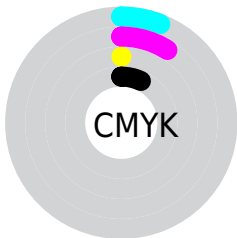
Blue (93%)



Red (87%)

Yellow (85%)

Blue (93%)

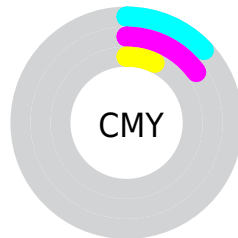


Cyan (6%)

Magenta (9%)

Yellow (0%)

Black (7%)



Cyan (13%)

Magenta (15%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.2734, 70.9141, 90.1048 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 70.2734, 70.9141, 90.1048 by changing the saturation by 10% instead.

70.2734, 70.9141,
90.1048

70.2734, 70.9141,
90.1048

450.7608,
463.7531, 548.9506

52.0299, 52.2721,
67.4934

118.6227,
120.5114, 149.4207

37.2532, 37.2220,
49.0216

149.4592,
152.2355, 186.9623

25.5782, 25.3794,
34.2709

185.2240,
189.0891, 230.3177

16.6394, 16.3600,
22.8227

226.2825,
231.4565, 279.9055

10.0714, 9.7792,
14.2586

273.0001,
279.7223, 336.1441

5.5090, 5.2528,
8.1599

325.7421,

2.5867, 2.3964,

334.2707, 399.4521

4.1082

384.8739,
395.4862, 470.2481

■ 0.9392, 0.8240,
1.6849

■ 0.0000, 0.0000,
0.3504

■ 70.2734, 70.9141,
90.1048

■ 70.2734, 70.9141,
90.1048

■ 59.9910, 57.2420,
88.0089

■ 81.8902, 86.5779,
92.5170

■ 50.9869, 45.4716,
86.2115

■ 92.1416, 98.8199,
94.3397

■ 43.2103, 35.5192,
84.7004

■ 92.2863, 98.8945,
94.3464

■ 36.6045, 27.2913,
83.4604

■ 31.1078, 20.6859,
82.4751

■ 26.6526, 15.5898,
81.7263

■ 23.1628, 11.8748,
81.1932

■ 20.5504, 9.3900,
80.8512

■ 18.6904, 7.9130,
80.6642

Harmonies

Analogous

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



67.7188, 70.9141, 92.8094



70.2734, 70.9141, 90.1048



72.0949, 70.9141, 83.9396

Triad

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



70.2734, 70.9141, 90.1048



69.7111, 70.9141, 64.8042



62.4147, 70.9141, 78.1236

Complementary

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



70.2734, 70.9141, 90.1048



75.3145, 82.3511, 76.8950

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.



62.9168, 70.9141, 70.8565



70.2734, 70.9141, 90.1048



67.0856, 70.9141, 63.4704

Square

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



70.2734, 70.9141, 90.1048



71.7643, 70.9141, 69.3839



64.6094, 70.9141, 65.6142



63.2196, 70.9141, 85.6108

Rectangle

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



70.2734, 70.9141, 90.1048



72.6237, 70.9141, 78.8763



64.6094, 70.9141, 65.6142



62.4363, 70.9141, 75.5741

Sweetspot

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



70.2755, 70.9171, 90.1064



90.8062, 94.2612, 108.0160



72.0017, 77.5043, 91.2868



19.1988, 19.8554, 23.0705



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.



70.2755, 70.9171, 90.1064



80.1964, 80.0147, 105.8253



73.4974, 72.5781, 90.2571



14.7042, 14.7928, 19.0025



10.2294, 4.3094, 44.0356



0.9019, 0.3892, 3.4625

Inverse Universe

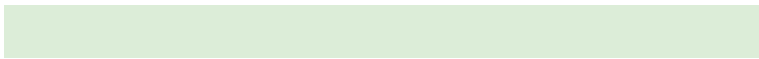
The Inverse Universe completely reimagines the original color for something new.



73.7663, 72.8325, 85.0364



85.2766, 82.8033, 98.3974



72.1511, 80.7203, 76.7469



15.4890, 15.2235, 17.8605



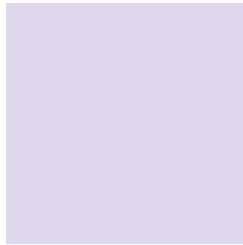
22.5015, 11.2033, 18.9743



1.8112, 0.8975, 1.7233

Previews

White Background



This preview shows how the XYZ color 70.2734, 70.9141, 90.1048 looks on a white background.

Color Contrast Check

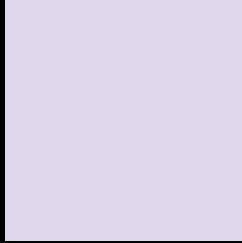
Large Text (above 18pt) WCAG AA × Fail

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 70.2734, 70.9141, 90.1048 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

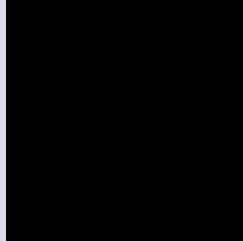
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.2734, 70.9141, 90.1048

Background



This preview shows how black text looks on a background with the XYZ color 70.2734, 70.9141, 90.1048.

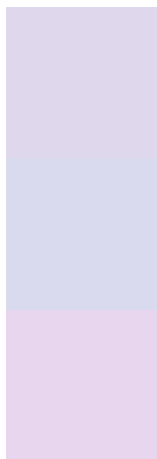


This preview shows how white text looks on a background with the XYZ color 70.2734, 70.9141,

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

70.2734, 70.9141, 90.1048

Protanopia

69.1193, 71.0676, 90.9634

Deuteranopia

72.5056, 70.9174, 90.7559



Tritanopia

69.7883, 71.0958, 87.8865

Trichromacy



Original Color

70.2734, 70.9141, 90.1048

Protanomaly

69.4589, 70.8588, 90.9052

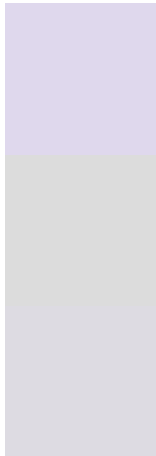
Deuteranomaly

71.7923, 70.9242, 90.7948

Tritanomaly

69.9325, 71.1535, 88.6454

Monochromacy



Original Color

70.2734, 70.9141, 90.1048

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

68.8778, 71.5262, 82.1272

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.2734, 70.9141, 90.1048 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(223, 216, 237)` looks like.

```
.text, #text, p{  
    color:rgb(223, 216, 237)  
}
```

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(223, 216, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 216, 237) }
```

Border

The CSS property to change the border of an element to XYZ 70.2734, 70.9141, 90.1048 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(223, 216, 237) }
```


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

```
.border{ border-color:rgb(223, 216, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 216, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 216, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 216, 237);  
box-shadow:4px 4px 4px 4px rgb(223, 216,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 70.2734, 70.9141, 90.1048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 216, 237) }
```

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

```
.background{ background-color: rgb(223,  
216, 237) }
```

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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