

Converting Colors

XYZ(72.2122, 69.2438, 87.0166)

Have a look what the booklet for
XYZ(72.2122, 69.2438, 87.0166)
contains.

XYZ(72.1005, 69.3170, 86.6702) 3

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Color

**XYZ(72.1005, 69.3170,
86.6702)**

Conversions

Conversions Part 1

Format	Color
Hex	ECD1E9
RGB	236, 209, 233
RGB Percent	93%, 82%, 91%
CMY	0.0745, 0.1804, 0.0863
CMYK	0.00, 0.11, 0.01, 0.07
HSL	307°, 42%, 87%
HSV	307°, 11%, 93%
XYZ	72.1005, 69.3170, 86.6702
YIQ	219.8090, 8.3880, 13.1880

Conversions

Conversions Part 2

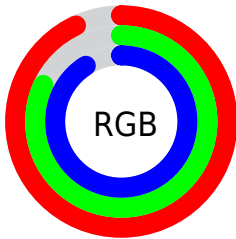
Format	Color
R _{YB}	236, 209, 233
Decimal	15520233
CIE Lab	86.66, 13.50, -8.35
CIE LCh	87, 15.876, 328.261
Yxy	69.3170, 0.3161, 0.3039
Android (android.graphics.Color)	4293710313 (0xFFECD1E9)
YUV	219.8090, 6.5032, 14.1995
Hunter-Lab	83.2568, 8.8817, -3.4410

Details

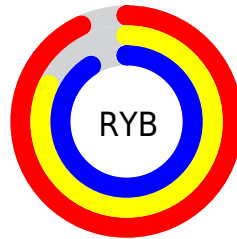
The XYZ color **72.1005, 69.3170, 86.6702** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **68.1763, 78.3016, 73.8115**, and the grayscale version is **67.8481, 71.3815, 77.7344**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.4795, 36.3203, 46.5774** is the 20% darker color. If you saturate the color by 10%, you get **66.3626, 58.4354, 82.9235**, and if you desaturate by 10%, it is **78.7057, 81.9222, 90.7351**.

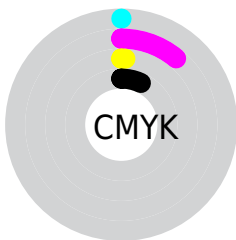
Distribution



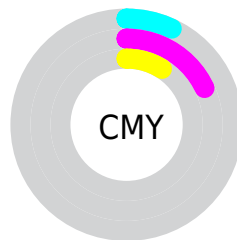
- Red (93%)
- Green (82%)
- Blue (91%)



- Red (93%)
- Yellow (82%)
- Blue (91%)



- Cyan (0%)
- Magenta (11%)
- Yellow (1%)
- Black (7%)





- Cyan (7%)
- Magenta (18%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.1005, 69.3170, 86.6702 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 72.1005, 69.3170, 86.6702 by changing the saturation by 10% instead.

 72.1005, 69.3170,
86.6702

 72.1005, 69.3170,
86.6702


457.0435,
458.1482, 537.4266

 53.5265, 50.9699,
64.6642


121.2094,
118.2342, 144.5992

 38.4524, 36.1847,
46.7393

152.4751,
149.5732, 181.3593

 26.5128, 24.5769,
32.4767

188.7021,
186.0115, 223.8745

 17.3424, 15.7621,
21.4581

230.2557,
227.9337, 272.5634

 10.5757, 9.3560,
13.2647

277.5013,
275.7240, 327.8445

 5.8475, 4.9741,
7.4782

330.8042,

 2.7923, 2.2321,

329.7670, 390.1364

3.6800

390.5298,
390.4469, 459.8576

■ 1.0449, 0.7374,
1.4515

■ 0.0000, 0.0000,
0.1814

■ 72.1005, 69.3170,
86.6702

■ 72.1005, 69.3170,
86.6702

■ 66.3626, 58.4354,
82.9235

■ 78.7057, 81.9222,
90.7351

■ 61.4483, 49.1931,
79.4779

■ 85.8214, 95.5407,
94.9970

■ 57.3193, 41.5125,
76.3212

■ 86.2102, 95.6962,
97.0443

■ 53.9317, 35.3060,
73.4389

■ 86.6046, 95.8539,
99.1212

51.2375, 30.4775,
70.8146

87.0047, 96.0140,
101.2280

49.1828, 26.9193,
68.4304

87.4105, 96.1763,
103.3648

47.7058, 24.5079,
66.2656

87.8220, 96.3409,
105.5316

46.7325, 23.0951,
64.2953

88.2392, 96.5078,
107.7286

46.1973, 22.4750,
62.7289

88.4025, 96.5731,
108.5889

Harmonies

Analogous

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



69.2988, 69.3170, 94.8133



72.1005, 69.3170, 86.6702



73.2291, 69.3170, 76.0925

Triad

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



72.1005, 69.3170, 86.6702



66.0992, 69.3170, 56.9402



59.8329, 69.3170, 85.5047

Complementary

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



72.1005, 69.3170, 86.6702



68.1763, 78.3016, 73.8115

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.



59.0468, 69.3170, 74.8597



72.1005, 69.3170, 86.6702



62.5828, 69.3170, 58.9621

Square

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



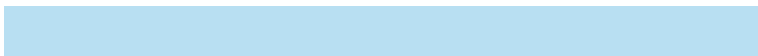
72.1005, 69.3170, 86.6702



69.6850, 69.3170, 59.4865



60.0350, 69.3170, 65.2869



62.2232, 69.3170, 94.0975

Rectangle

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



72.1005, 69.3170, 86.6702



72.8500, 69.3170, 69.2879



60.0350, 69.3170, 65.2869



59.3763, 69.3170, 82.0187

Sweetspot

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



72.1025, 69.3200, 86.6717



92.5213, 95.1612, 107.3833



65.0088, 65.6131, 88.5962



19.6622, 20.0986, 22.8990



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.



72.1025, 69.3200, 86.6717



84.0676, 79.0468, 102.1205



70.2866, 68.5937, 77.1094



15.6385, 15.2833, 18.6476



25.4946, 12.4005, 34.7357



2.0225, 0.9820, 2.8361

Inverse Universe

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



72.1025, 69.3200, 86.6717



84.0676, 79.0468, 102.1205



69.9102, 78.9952, 82.9424



15.6385, 15.2833, 18.6476



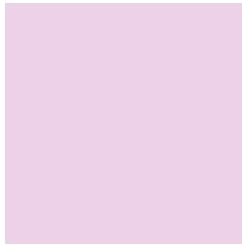
25.4946, 12.4005, 34.7357



2.0225, 0.9820, 2.8361

Previews

White Background



This preview shows how the XYZ color 72.1005, 69.3170, 86.6702 looks on a white background.

Color Contrast Check

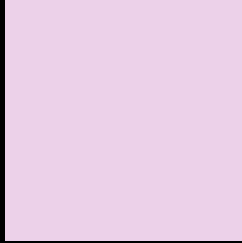
Large Text (above 18pt) WCAG AA × Fail

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 72.1005, 69.3170, 86.6702 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

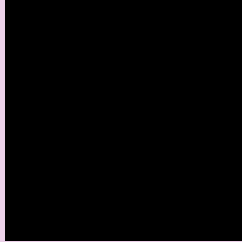
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.1005, 69.3170, 86.6702

Background



This preview shows how black text looks on a background with the XYZ color 72.1005, 69.3170, 86.6702.



This preview shows how white text looks on a background with the XYZ color 72.1005, 69.3170,

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

72.1005, 69.3170, 86.6702

Protanopia

67.8663, 69.6732, 89.9921

Deuteranopia

70.9572, 69.4606, 86.7582



Tritanopia

71.1727, 69.3014, 82.2984

Trichromacy



Original Color

72.1005, 69.3170, 86.6702

Protanomaly

69.3660, 69.3326, 89.0834

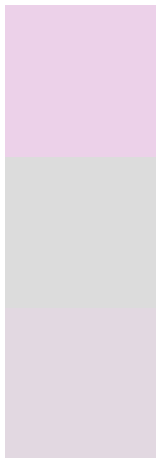
Deuteranomaly

71.3588, 69.3000, 86.7060

Tritanomaly

71.4504, 69.4125, 83.7609

Monochromacy



Original Color

72.1005, 69.3170, 86.6702

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

69.5105, 70.7167, 81.2203

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.1005, 69.3170, 86.6702 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(236, 209, 233)` looks like.

```
.text, #text, p{  
    color:rgb(236, 209, 233)  
}
```

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(236, 209, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 209, 233) }
```

Border

The CSS property to change the border of an element to XYZ 72.1005, 69.3170, 86.6702 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(236, 209, 233) }
```


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

```
.border{ border-color:rgb(236, 209, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 209, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 209, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 209, 233);  
box-shadow:4px 4px 4px 4px rgb(236, 209,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 72.1005, 69.3170, 86.6702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 209, 233) }
```

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

```
.background{ background-color: rgb(236,  
209, 233) }
```

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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