

Converting Colors

XYZ(72.8838, 70.2313, 96.9034)

Have a look what the booklet for
XYZ(72.8838, 70.2313, 96.9034)
contains.

XYZ(72.8838, 70.2313, 96.9034)	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(72.8838, 70.2313,
96.9034)**

Conversions

Conversions Part 1

Format	Color
Hex	E7D3F6
RGB	231, 211, 246
RGB Percent	91%, 83%, 96%
CMY	0.0941, 0.1725, 0.0353
CMYK	0.06, 0.14, 0.00, 0.04
HSL	274°, 66%, 90%
HSV	274°, 14%, 96%
XYZ	72.8838, 70.2313, 96.9034
YIQ	220.9700, 0.6850, 15.1250

Conversions

Conversions Part 2

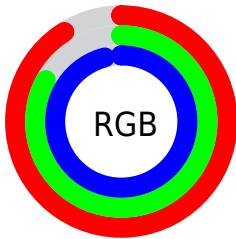
Format	Color
R _Y B	231, 211, 246
Decimal	15193078
CIE Lab	87.11, 13.21, -14.60
CIE LCh	87, 19.691, 312.135
Yxy	70.2313, 0.3037, 0.2926
Android (android.graphics.Color)	4293383158 (0xFFE7D3F6)
YUV	220.9700, 12.3398, 8.7963
Hunter-Lab	83.8041, 8.5829, -9.8946

Details

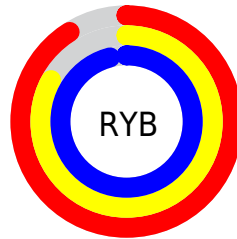
The XYZ color **72.8838, 70.2313, 96.9034** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **76.0803, 86.7853, 74.3729**, and the grayscale version is **68.6238, 72.1976, 78.6232**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.8619, 36.6086, 53.7331** is the 20% darker color. If you saturate the color by 10%, you get **63.9332, 57.2299, 94.8667**, and if you desaturate by 10%, it is **82.9789, 85.2148, 99.2645**.

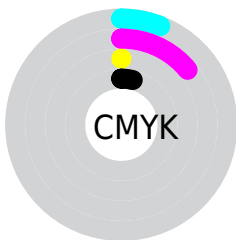
Distribution



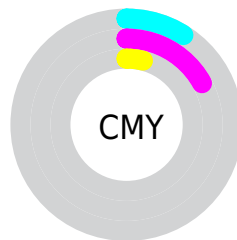
- Red (91%)
- Green (83%)
- Blue (96%)



- Red (91%)
- Yellow (83%)
- Blue (96%)



- Cyan (6%)
- Magenta (14%)
- Yellow (0%)
- Black (4%)



- Cyan (9%)
- Magenta (17%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.8838, 70.2313, 96.9034 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 72.8838, 70.2313, 96.9034 by changing the saturation by 10% instead.

72.8838, 70.2313,
96.9034

72.8838, 70.2313,
96.9034

459.7220,
461.3617, 571.3800

54.1690, 51.7151,
73.1146

122.3163,
119.5385, 158.9097

38.9680, 36.7781,
53.5773

153.7646,
151.0984, 197.9643

26.9154, 25.0357,
37.8729

190.1882,
187.7749, 242.9446

17.6460, 16.1037,
25.5830

231.9524,
229.9526, 294.2691

10.7943, 9.5975,
16.2890

279.4225,
278.0157, 352.3563

5.9949, 5.1329,
9.5723

332.9639,

2.8826, 2.3255,

332.3486, 417.6249

5.0144

392.9419,
393.3358, 490.4932

■ 1.0920, 0.7871,
2.1969

■ 0.0184, 0.0000,
0.6726

■ 72.8838, 70.2313,
96.9034

■ 72.8838, 70.2313,
96.9034

■ 63.9332, 57.2299,
94.8667

■ 82.9789, 85.2148,
99.2645

■ 56.0747, 46.1150,
93.1355

■ 92.5720, 98.8860,
101.3977

■ 49.2611, 36.7964,
91.6959

■ 93.6348, 99.4339,
101.4474

■ 43.4391, 29.1728,
90.5313

■ 38.5499, 23.1326,
89.6231

■ 34.5277, 18.5501,
88.9506

■ 31.2966, 15.2799,
88.4897

■ 28.7647, 13.1443,
88.2109

■ 27.5451, 12.2784,
88.1080

Harmonies

Analogous

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



68.6353, 70.2313, 104.0996



72.8838, 70.2313, 96.9034



75.5585, 70.2313, 84.5330

Triad

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



72.8838, 70.2313, 96.9034



69.5118, 70.2313, 54.7450



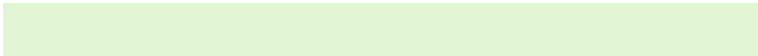
58.4488, 70.2313, 81.9369

Complementary

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



72.8838, 70.2313, 96.9034



76.0803, 86.7853, 74.3729

Split Complementary

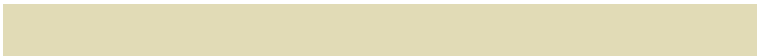
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



58.6592, 70.2313, 68.9366



72.8838, 70.2313, 96.9034



64.9049, 70.2313, 54.2206

Square

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



72.8838, 70.2313, 96.9034



73.5508, 70.2313, 60.6582



60.9755, 70.2313, 59.1320



60.3870, 70.2313, 94.8152

Rectangle

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



72.8838, 70.2313, 96.9034



76.0174, 70.2313, 75.5272



60.9755, 70.2313, 59.1320



58.2732, 70.2313, 77.4205

Sweetspot

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



72.8859, 70.2343, 96.9049



90.2918, 92.8441, 107.7696



70.7429, 74.9889, 97.9356



19.1396, 19.5930, 23.0230



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.



72.8859, 70.2343, 96.9049



76.2377, 72.0370, 104.4941



77.5809, 72.6958, 95.2668



16.4877, 16.3941, 20.8379



14.8662, 6.6381, 47.0358



1.4241, 0.6440, 4.1395

Inverse Universe

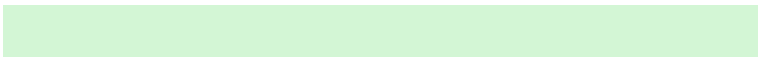
The Inverse Universe completely reimagines the original color for something new.



75.0302, 71.6755, 81.8353



79.0114, 73.8983, 85.1319



71.8749, 84.5833, 75.7142



16.7940, 16.6004, 18.6615



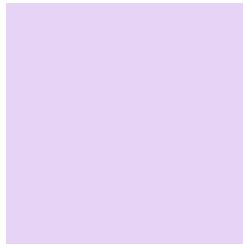
21.7262, 11.0339, 8.5326



1.9599, 0.9899, 1.0153

Previews

White Background



This preview shows how the XYZ color 72.8838, 70.2313, 96.9034 looks on a white background.

Color Contrast Check

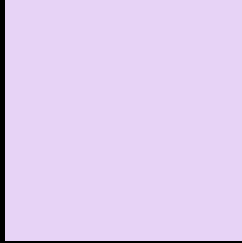
Large Text (above 18pt) WCAG AA × Fail

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 72.8838, 70.2313, 96.9034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

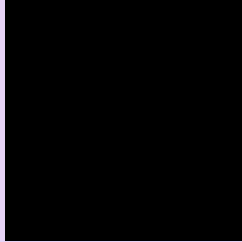
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.8838, 70.2313, 96.9034

Background



This preview shows how black text looks on a background with the XYZ color 72.8838, 70.2313, 96.9034.



This preview shows how white text looks on a background with the XYZ color 72.8838, 70.2313,

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

72.8838, 70.2313, 96.9034

Protanopia

69.5087, 70.6740, 100.4204

Deuteranopia

72.1074, 70.5732, 97.0103



Tritanopia

70.6426, 70.4643, 84.7406

Trichromacy



Original Color

72.8838, 70.2313, 96.9034

Protanomaly

70.9145, 70.6561, 99.5229

Deuteranomaly

72.1729, 70.2348, 96.9415

Tritanomaly

71.5677, 70.4676, 89.1865

Monochromacy



Original Color

72.8838, 70.2313, 96.9034

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

70.1471, 71.3464, 84.9370

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.8838, 70.2313, 96.9034 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(231, 211, 246)` looks like.

```
.text, #text, p{  
    color:rgb(231, 211, 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(231, 211, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 211, 246) }
```

Border

The CSS property to change the border of an element to XYZ 72.8838, 70.2313, 96.9034 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(231, 211, 246) }
```


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

```
.border{ border-color:rgb(231, 211, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 211, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 211, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 211, 246);  
box-shadow:4px 4px 4px 4px rgb(231, 211,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 72.8838, 70.2313, 96.9034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 211, 246) }
```

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

```
.background{ background-color: rgb(231,  
211, 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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