

Converting Colors

XYZ(70.8563, 71.8996, 94.3449)

Have a look what the booklet for
XYZ(70.8563, 71.8996, 94.3449)
contains.

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Color

**XYZ(70.9172, 71.9258,
94.1497)**

Conversions

Conversions Part 1

Format	Color
Hex	DDDAF2
RGB	221, 218, 242
RGB Percent	87%, 85%, 95%
CMY	0.1333, 0.1451, 0.0510
CMYK	0.09, 0.10, 0.00, 0.05
HSL	247°, 48%, 90%
HSV	247°, 10%, 95%
XYZ	70.9172, 71.9258, 94.1497
YIQ	221.6330, -5.9160, 8.1000

Conversions

Conversions Part 2

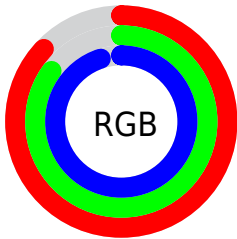
Format	Color
R _{YB}	221, 218, 242
Decimal	14539506
CIE Lab	87.93, 5.51, -11.34
CIE LCh	88, 12.612, 295.909
Yxy	71.9258, 0.2992, 0.3035
Android (android.graphics.Color)	4292729586 (0xFFDDDAF2)
YUV	221.6330, 10.0409, -0.5551
Hunter-Lab	84.8091, 0.8455, -6.4537

Details

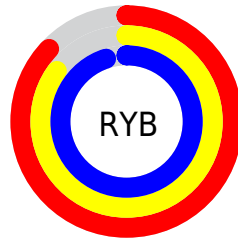
The XYZ color **70.9172, 71.9258, 94.1497** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **80.0063, 86.9188, 78.8935**, and the grayscale version is **69.1086, 72.7077, 79.1786**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.6860, 37.8465, 51.7732** is the 20% darker color. If you saturate the color by 10%, you get **59.0481, 57.1629, 91.9269**, and if you desaturate by 10%, it is **84.5202, 88.9465, 96.7192**.

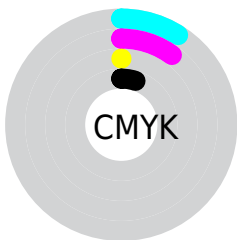
Distribution



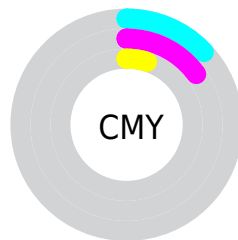
- Red (87%)
- Green (85%)
- Blue (95%)



- Red (87%)
- Yellow (85%)
- Blue (95%)



- Cyan (9%)
- Magenta (10%)
- Yellow (0%)
- Black (5%)



- Cyan (13%)
- Magenta (15%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.9172, 71.9258, 94.1497 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 70.9172, 71.9258, 94.1497 by changing the saturation by 10% instead.

■ 70.9172, 71.9258,
94.1497

■ 70.9172, 71.9258,
94.1497

452.9803,
467.2833, 562.3539

■ 52.5569, 53.0981,
70.8345

119.5350,
121.9510, 155.0748

■ 37.6752, 37.8811,
51.7261

150.5232,
153.9173, 193.5218

■ 25.9068, 25.8904,
36.4061

186.4514,
191.0319, 237.8498

■ 16.8862, 16.7417,
24.4558

227.6850,
233.6792, 288.4774

■ 10.2482, 10.0505,
15.4568

274.5893,
282.2436, 345.8230

■ 5.6274, 5.4324,
8.9904

327.5298,

■ 2.6583, 2.5032,

337.1095, 410.3053

4.6382

386.8716,
398.6612, 482.3427

■ 0.9758, 0.8782,
1.9816

■ 0.0000, 0.0000,
0.5439

■ 70.9172, 71.9258,
94.1497

■ 70.9172, 71.9258,
94.1497

■ 59.0481, 57.1629,
91.9269

■ 84.5202, 88.9465,
96.7192

■ 48.8367, 44.5540,
90.0313

■ 93.0272, 99.1909,
98.2482

■ 40.2107, 34.0009,
88.4490

■ 33.0900, 25.3940,
87.1630

■ 27.3873, 18.6135,
86.1548

■ 23.0063, 13.5265,
85.4038

■ 19.8383, 9.9815,
84.8865

■ 17.7568, 7.7999,
84.5751

■ 16.5766, 6.6974,
84.4245

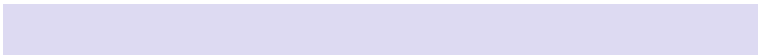
Harmonies

Analogous

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



67.9522, 71.9258, 95.9930



70.9172, 71.9258, 94.1497



73.2571, 71.9258, 87.9536

Triad

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



70.9172, 71.9258, 94.1497



71.6508, 71.9258, 65.4040



62.7646, 71.9258, 77.1412

Complementary

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



70.9172, 71.9258, 94.1497



80.0063, 86.9188, 78.8935

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.



63.6925, 71.9258, 69.4076



70.9172, 71.9258, 94.1497



68.7761, 71.9258, 62.9526

Square

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



70.9172, 71.9258, 94.1497



73.6893, 71.9258, 71.3100



65.8715, 71.9258, 64.3634



63.3004, 71.9258, 85.7643

Rectangle

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



70.9172, 71.9258, 94.1497



74.1175, 71.9258, 82.4101



65.8715, 71.9258, 64.3634



62.9149, 71.9258, 74.3578

Sweetspot

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



70.9193, 71.9288, 94.1513



90.2377, 93.9681, 107.9894



75.8678, 83.1684, 96.0599



19.0459, 19.7766, 23.0634



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.



70.9193, 71.9288, 94.1513



76.8785, 77.2768, 105.4717



74.6399, 73.8469, 94.3254



15.0807, 15.3233, 19.8845



8.9616, 3.6253, 45.3553



0.8040, 0.3317, 3.7759

Inverse Universe

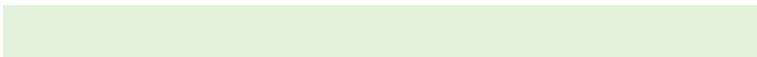
The Inverse Universe completely reimagines the original color for something new.



77.2719, 75.2553, 92.1180



85.4441, 81.7629, 102.6929



76.1510, 84.9314, 78.7130



16.3643, 15.9954, 19.4748



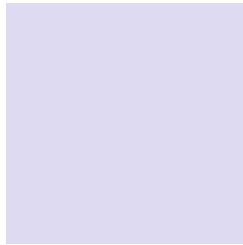
26.0756, 12.7027, 34.6441



2.1928, 1.0662, 3.0064

Previews

White Background



This preview shows how the XYZ color 70.9172, 71.9258, 94.1497 looks on a white background.

Color Contrast Check

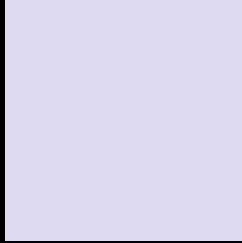
Large Text (above 18pt) WCAG AA × Fail

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 70.9172, 71.9258, 94.1497 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

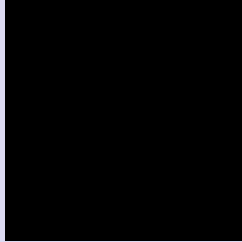
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.9172, 71.9258, 94.1497

Background



This preview shows how black text looks on a background with the XYZ color 70.9172, 71.9258, 94.1497.

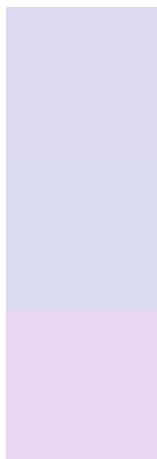


This preview shows how white text looks on a background with the XYZ color 70.9172, 71.9258,

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

70.9172, 71.9258, 94.1497

Protanopia

70.4226, 72.0395, 94.9874

Deuteranopia

73.5029, 71.7200, 94.7633



Tritanopia

69.9870, 71.9348, 89.5530

Trichromacy



Original Color

70.9172, 71.9258, 94.1497

Protanomaly

70.7226, 72.1942, 95.0014

Deuteranomaly

72.4730, 71.5659, 94.7879

Tritanomaly

70.2793, 72.0517, 91.0922

Monochromacy



Original Color

70.9172, 71.9258, 94.1497

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

70.1235, 72.8996, 84.5039

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.9172, 71.9258, 94.1497 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(221, 218, 242)` looks like.

```
.text, #text, p{  
    color:rgb(221, 218, 242)  
}
```

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(221, 218, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 218, 242) }
```

Border

The CSS property to change the border of an element to XYZ 70.9172, 71.9258, 94.1497 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(221, 218, 242) }
```


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

```
.border{ border-color:rgb(221, 218, 242) }
```

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

Here you see how a box with a 4 pixel rgb(221, 218, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 218, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 218, 242);  
box-shadow:4px 4px 4px 4px rgb(221, 218,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 70.9172, 71.9258, 94.1497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 218, 242) }
```

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

```
.background{ background-color: rgb(221,  
218, 242) }
```

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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