

Converting Colors

XYZ(70.1153, 70.1355, 95.8286)

Have a look what the booklet for
XYZ(70.1153, 70.1355, 95.8286)
contains.

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Color

**XYZ(70.2971, 70.4091,
96.2715)**

Conversions

Conversions Part 1

Format	Color
Hex	DCD7F5
RGB	220, 215, 245
RGB Percent	86%, 84%, 96%
CMY	0.1372, 0.1568, 0.0392
CMYK	0.10, 0.12, 0.00, 0.04
HSL	250°, 60%, 90%
HSV	250°, 12%, 96%
XYZ	70.2971, 70.4091, 96.2715
YIQ	219.9150, -6.6500, 10.3900

Conversions

Conversions Part 2

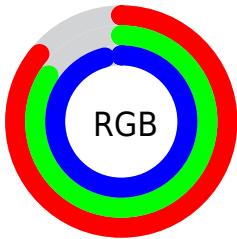
Format	Color
R _Y B	220, 215, 245
Decimal	14473205
CIE Lab	87.20, 7.36, -14.03
CIE LCh	87, 15.844, 297.663
Yxy	70.4091, 0.2966, 0.2971
Android (android.graphics.Color)	4292663285 (0xFFDCD7F5)
YUV	219.9150, 12.3669, 0.0745
Hunter-Lab	83.9101, 2.6986, -9.2873

Details

The XYZ color **70.2971, 70.4091, 96.2715** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **80.8558, 88.7382, 77.1600**, and the grayscale version is **67.8898, 71.4254, 77.7823**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.2732, 36.8151, 53.2856** is the 20% darker color. If you saturate the color by 10%, you get **58.7130, 55.8607, 94.0750**, and if you desaturate by 10%, it is **83.5744, 87.2208, 98.8178**.

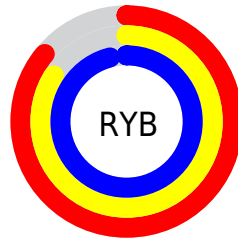
Distribution



Red (86%)

Green (84%)

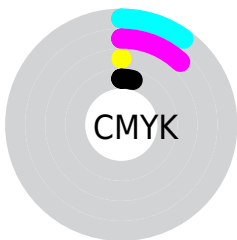
Blue (96%)



Red (86%)

Yellow (84%)

Blue (96%)

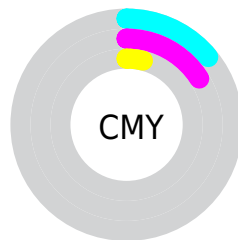


Cyan (10%)

Magenta (12%)

Yellow (0%)

Black (4%)



Cyan (14%)

Magenta (16%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.2971, 70.4091, 96.2715 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 70.2971, 70.4091, 96.2715 by changing the saturation by 10% instead.

70.2971, 70.4091,
96.2715

70.2971, 70.4091,
96.2715

450.8426,
461.9851, 569.3156

52.0493, 51.8601,
72.5910

118.6563,
119.7920, 158.0307

37.2688, 36.8936,
53.1518

149.4984,
151.3947, 196.9465

25.5903, 25.1251,
37.5354

185.2692,
188.1174, 241.7778

16.6484, 16.1703,
25.3233

226.3342,
230.3445, 292.9431

10.0779, 9.6447,
16.0969

273.0587,
278.4605, 350.8610

5.5133, 5.1641,
9.4376

325.8080,

2.5893, 2.3438,

332.8496, 415.9500

4.9270

384.9476,
393.8964, 488.6287

■ 0.9405, 0.7968,
2.1465

■ 0.0000, 0.0000,
0.6433

■ 70.2971, 70.4091,
96.2715

■ 70.2971, 70.4091,
96.2715

■ 58.7130, 55.8607,
94.0750

■ 83.5744, 87.2208,
98.8178

■ 48.7473, 43.4702,
92.2087

■ 93.4816, 99.3727,
100.6412

■ 40.3289, 33.1366,
90.6578

■ 33.3790, 24.7475,
89.4048

■ 27.8115, 18.1798,
88.4306

■ 23.5312, 13.2958,
87.7135

■ 20.4303, 9.9381,
87.2288

■ 18.3822, 7.9182,
86.9469

■ 17.3888, 7.0603,
86.8336

Harmonies

Analogous

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



66.6306, 70.4091, 99.0021



70.2971, 70.4091, 96.2715



73.1477, 70.4091, 88.1487

Triad

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



70.2971, 70.4091, 96.2715



70.8203, 70.4091, 60.6283



60.0277, 70.4091, 75.8315

Complementary

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



70.2971, 70.4091, 96.2715



80.8558, 88.7382, 77.1600

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.



61.0595, 70.4091, 66.2220



70.2971, 70.4091, 96.2715



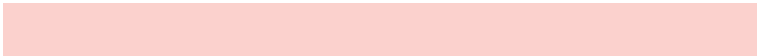
67.2137, 70.4091, 57.9666

Square

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



70.2971, 70.4091, 96.2715



73.4575, 70.4091, 67.5426



63.6562, 70.4091, 59.9170



60.7856, 70.4091, 86.5708

Rectangle

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



70.2971, 70.4091, 96.2715



74.1538, 70.4091, 81.1232



63.6562, 70.4091, 59.9170



60.1759, 70.4091, 72.3704

Sweetspot

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



70.2992, 70.4121, 96.2731



88.8233, 92.0871, 107.7008



75.8155, 83.6566, 98.5388



18.7686, 19.4018, 23.0057



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.



70.2992, 70.4121, 96.2731



73.2675, 72.4243, 104.7254



74.8803, 72.7737, 96.4875



15.8384, 16.0593, 20.8076



9.4443, 3.8430, 46.7820



0.9027, 0.3752, 4.1151

Inverse Universe

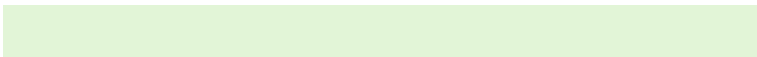
The Inverse Universe completely reimagines the original color for something new.



77.6872, 74.3077, 92.6896



83.0293, 77.5733, 99.9155



76.1278, 86.3009, 76.9387



17.0881, 16.7181, 20.2106



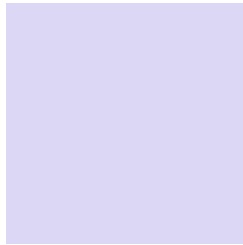
26.2142, 12.8291, 32.1661



2.3348, 1.1399, 2.9894

Previews

White Background



This preview shows how the XYZ color 70.2971, 70.4091, 96.2715 looks on a white background.

Color Contrast Check

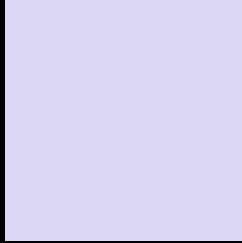
Large Text (above 18pt) WCAG AA × Fail

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 70.2971, 70.4091, 96.2715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

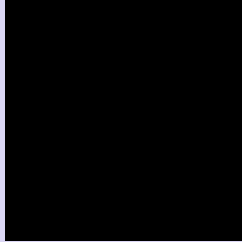
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.2971, 70.4091, 96.2715

Background



This preview shows how black text looks on a background with the XYZ color 70.2971, 70.4091, 96.2715.



This preview shows how white text looks on a background with the XYZ color 70.2971, 70.4091,

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

70.2971, 70.4091, 96.2715

Protanopia

69.1790, 70.5757, 97.1651

Deuteranopia

71.9542, 70.5120, 96.2040



Tritanopia

68.5776, 70.4716, 87.8299

Trichromacy



Original Color

70.2971, 70.4091, 96.2715

Protanomaly

69.5093, 70.3645, 97.1069

Deuteranomaly

71.2685, 70.5330, 96.2442

Tritanomaly

69.2019, 70.3448, 90.8195

Monochromacy



Original Color

70.2971, 70.4091, 96.2715

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

68.7295, 71.0156, 84.2137

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.2971, 70.4091, 96.2715 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(220, 215, 245)` looks like.

```
.text, #text, p{  
    color:rgb(220, 215, 245)  
}
```

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(220, 215, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 215, 245) }
```

Border

The CSS property to change the border of an element to XYZ 70.2971, 70.4091, 96.2715 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(220, 215, 245) }
```


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

```
.border{ border-color:rgb(220, 215, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 215, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 215, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 215, 245);  
box-shadow:4px 4px 4px 4px rgb(220, 215,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 70.2971, 70.4091, 96.2715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 215, 245) }
```

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

```
.background{ background-color: rgb(220,  
215, 245) }
```

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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