

Converting Colors

XYZ(90.0110, 77.7081,
205.5106)

Have a look what the booklet for
XYZ(90.0110, 77.7081, 205.5106)
contains.

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Color

**XYZ(71.0100, 70.2186,
104.4186)**

Conversions

Conversions Part 1

Format	Color
Hex	DAD6FF
RGB	218, 214, 255
RGB Percent	85%, 84%, 100%
CMY	0.1451, 0.1608, 0.0000
CMYK	0.15, 0.16, 0.00, 0.00
HSL	246°, 100%, 92%
HSV	246°, 16%, 100%
XYZ	71.0100, 70.2186, 104.4186
YIQ	219.8700, -10.7770, 13.5990

Conversions

Conversions Part 2

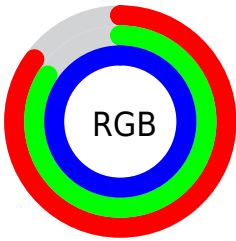
Format	Color
R _Y B	218, 214, 255
Decimal	14341887
CIE Lab	87.10, 9.28, -19.46
CIE LCh	87, 21.562, 295.495
Yxy	70.2186, 0.2891, 0.2859
Android (android.graphics.Color)	4292531967 (0xFFDAD6FF)
YUV	219.8700, 17.3191, -1.6400
Hunter-Lab	83.7965, 4.6187, -15.2235

Details

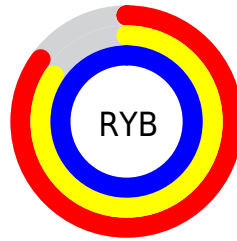
The XYZ color **71.0100, 70.2186, 104.4186** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **87.6829, 96.8850, 77.7010**, and the grayscale version is **67.8271, 71.3593, 77.7103**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.6954, 36.6600, 58.5154** is the 20% darker color. If you saturate the color by 10%, you get **58.6441, 55.0032, 102.1335**, and if you desaturate by 10%, it is **85.3456, 87.9527, 107.0861**.

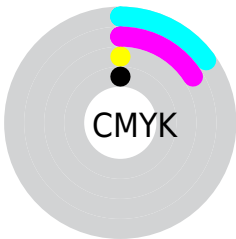
Distribution



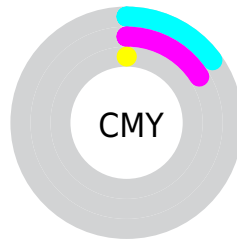
- Red (85%)
- Green (84%)
- Blue (100%)



- Red (85%)
- Yellow (84%)
- Blue (100%)



- Cyan (15%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (15%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.0100, 70.2186, 104.4186 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 71.0100, 70.2186, 104.4186 by changing the saturation by 10% instead.

71.0100, 70.2186,
104.4186

71.0100, 70.2186,
104.4186

453.2997,
461.3172, 595.6354

52.6329, 51.7048,
79.3584

119.6664,
119.5204, 169.3209

37.7361, 36.7698,
58.6675

150.6764,
151.0772, 210.0000

25.9542, 25.0293,
41.9273

186.6282,
187.7505, 256.7226

16.9219, 16.0989,
28.7192

227.8869,
229.9246, 309.9071

10.2738, 9.5942,
18.6247

274.8181,
277.9839, 369.9721

5.6445, 5.1307,
11.2254

327.7871,

2.6687, 2.3242,

332.3128, 437.3361

6.1026

387.1591,
393.2958, 512.4177

■ 0.9811, 0.7865,
2.8378

■ 0.0000, 0.0000,
1.0124

■ 71.0100, 70.2186,
104.4186

■ 71.0100, 70.2186,
104.4186

■ 58.6441, 55.0032,
102.1335

■ 85.3456, 87.9527,
107.0861

■ 48.1559, 42.1840,
100.2120

95.0500, 100.0000,
108.9000

■ 39.4550, 31.6412,
98.6356

■ 32.4413, 23.2411,
97.3839

■ 27.0043, 16.8362,
96.4342

■ 23.0206, 12.2601,
95.7608

■ 20.3481, 9.3191,
95.3341

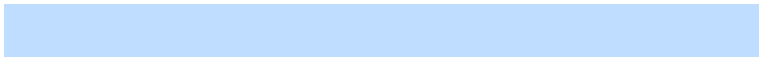
■ 18.8148, 7.7755,
95.1169

■ 18.4476, 7.4250,
95.0686

Harmonies

Analogous

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



65.9805, 70.2186, 107.6810



71.0100, 70.2186, 104.4186



75.0705, 70.2186, 93.3245

Triad

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



71.0100, 70.2186, 104.4186



72.3965, 70.2186, 55.7443



57.5170, 70.2186, 74.2914

Complementary

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



71.0100, 70.2186, 104.4186



87.6829, 96.8850, 77.7010

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.



59.0510, 70.2186, 61.7537



71.0100, 70.2186, 104.4186



67.5067, 70.2186, 51.9390

Square

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



71.0100, 70.2186, 104.4186



75.8989, 70.2186, 65.0953



62.6460, 70.2186, 53.9926



58.3505, 70.2186, 89.0674

Rectangle

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



71.0100, 70.2186, 104.4186



76.5943, 70.2186, 83.6385



62.6460, 70.2186, 53.9926



57.7706, 70.2186, 69.6971

Sweetspot

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



71.0120, 70.2214, 104.4191



87.0092, 90.0157, 107.3966



80.4628, 90.8765, 107.9078



18.3905, 18.9781, 22.9438



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.



71.0120, 70.2214, 104.4191



67.1966, 65.5173, 103.7122



77.3304, 73.4787, 104.7148



17.1673, 17.4624, 22.7157



9.6933, 3.9075, 49.6779



0.9961, 0.4074, 4.8394

Inverse Universe

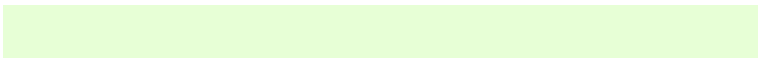
The Inverse Universe completely reimagines the original color for something new.



82.7008, 76.3209, 101.6416



80.7426, 72.5873, 100.4245



80.8811, 93.3786, 77.3826



18.7118, 18.2680, 22.3655



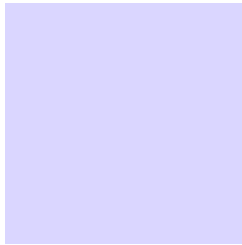
29.0531, 14.1105, 40.5257



2.8500, 1.3824, 4.0577

Previews

White Background



This preview shows how the XYZ color 71.0100, 70.2186, 104.4186 looks on a white background.

Color Contrast Check

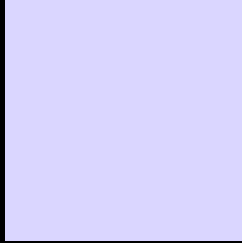
Large Text (above 18pt) WCAG AA × Fail

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 71.0100, 70.2186, 104.4186 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 71.0100, 70.2186, 104.4186

Background



This preview shows how black text looks on a background with the XYZ color 71.0100, 70.2186, 104.4186.

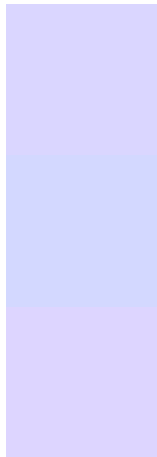


This preview shows how white text looks on a background with the XYZ color 71.0100, 70.2186,

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

71.0100, 70.2186, 104.4186

Protanopia

69.4698, 70.1806, 104.4925

Deuteranopia

71.6630, 70.1807, 104.3769



Tritanopia

67.5398, 69.9200, 88.5334

Trichromacy



Original Color

71.0100, 70.2186, 104.4186

Protanomaly

70.0820, 70.1170, 104.4480

Deuteranomaly

71.3594, 70.0241, 104.3627

Tritanomaly

68.6072, 69.9696, 93.8939

Monochromacy



Original Color

71.0100, 70.2186, 104.4186

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

68.9928, 71.0861, 87.1755

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.0100, 70.2186, 104.4186 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(218, 214, 255)` looks like.

```
.text, #text, p{  
    color:rgb(218, 214, 255)  
}
```

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(218, 214, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 214, 255) }
```

Border

The CSS property to change the border of an element to XYZ 71.0100, 70.2186, 104.4186 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(218, 214, 255) }
```


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

```
.border{ border-color:rgb(218, 214, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 214, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 214, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 214, 255);  
box-shadow:4px 4px 4px 4px rgb(218, 214,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 71.0100, 70.2186, 104.4186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 214, 255) }
```

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

```
.background{ background-color: rgb(218,  
214, 255) }
```

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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