

Converting Colors

XYZ(83.1658, 75.9917,
166.8970)

Have a look what the booklet for
XYZ(83.1658, 75.9917, 166.8970)
contains.

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Color

**XYZ(71.2211, 71.0834,
104.5745)**

Conversions

Conversions Part 1

Format	Color
Hex	D9D8FF
RGB	217, 216, 255
RGB Percent	85%, 85%, 100%
CMY	0.1490, 0.1529, 0.0000
CMYK	0.15, 0.15, 0.00, 0.00
HSL	242°, 100%, 92%
HSV	242°, 15%, 100%
XYZ	71.2211, 71.0834, 104.5745
YIQ	220.7450, -11.9230, 12.3410

Conversions

Conversions Part 2

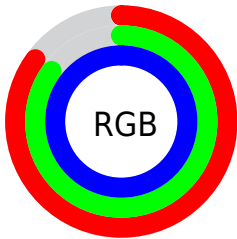
Format	Color
R _{YB}	217, 216, 255
Decimal	14276863
CIE Lab	87.53, 7.91, -18.83
CIE LCh	88, 20.429, 292.790
Yxy	71.0834, 0.2885, 0.2879
Android (android.graphics.Color)	4292466943 (0xFFD9D8FF)
YUV	220.7450, 16.8877, -3.2844
Hunter-Lab	84.3110, 3.2424, -14.5222

Details

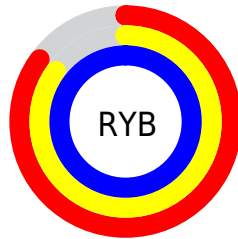
The XYZ color **71.2211, 71.0834, 104.5745** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **89.0292, 97.5494, 79.1056**, and the grayscale version is **68.4415, 72.0057, 78.4143**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.8382, 37.2483, 58.6214** is the 20% darker color. If you saturate the color by 10%, you get **58.3504, 55.4926, 102.2435**, and if you desaturate by 10%, it is **86.2214, 89.2806, 107.2963**.

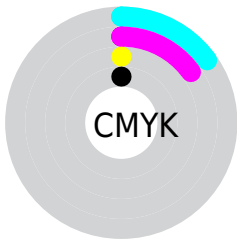
Distribution



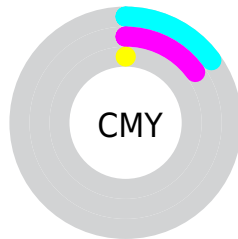
- Red (85%)
- Green (85%)
- Blue (100%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.2211, 71.0834, 104.5745 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 71.2211, 71.0834, 104.5745 by changing the saturation by 10% instead.

71.2211, 71.0834,
104.5745

71.2211, 71.0834,
104.5745

454.0258,
464.3449, 596.1330

52.8058, 52.4103,
79.4883

119.9653,
120.7525, 169.5360

37.8746, 37.3322,
58.7736

151.0249,
152.5172, 210.2484

26.0622, 25.4648,
42.0121

187.0301,
189.4146, 257.0065

17.0031, 16.4237,
28.7851

228.3461,
231.8290, 310.2290

10.3320, 9.8245,
18.6742

275.3383,
280.1448, 370.3343

5.6836, 5.2827,
11.2607

328.3721,

2.6925, 2.4141,

334.7465, 437.7411

6.1261

387.8128,
396.0184, 512.8678

■ 0.9933, 0.8331,
2.8519

■ 0.0000, 0.0000,
1.0195

■ 71.2211, 71.0834,
104.5745

■ 71.2211, 71.0834,
104.5745

■ 58.3504, 55.4926,
102.2435

■ 86.2214, 89.2806,
107.2963

■ 47.5073, 42.3810,
100.2842

95.0500, 100.0000,
108.9000

■ 38.5902, 31.6233,
98.6777

■ 31.4864, 23.0801,
97.4031

■ 26.0716, 16.5975,
96.4372

■ 22.2058, 12.0015,
95.7539

■ 19.7265, 9.0898,
95.3226

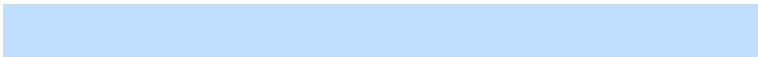
■ 18.4351, 7.6138,
95.1057

■ 18.1317, 7.2621,
95.0538

Harmonies

Analogous

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



66.4047, 71.0834, 106.8698



71.2211, 71.0834, 104.5745



75.2256, 71.0834, 94.6069

Triad

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



71.2211, 71.0834, 104.5745



73.3310, 71.0834, 58.1033



58.7685, 71.0834, 74.1099

Complementary

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



71.2211, 71.0834, 104.5745



89.0292, 97.5494, 79.1056

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.



60.4386, 71.0834, 62.4133



71.2211, 71.0834, 104.5745



68.7340, 71.0834, 53.9130

Square

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



71.2211, 71.0834, 104.5745



76.4837, 71.0834, 67.5534



64.0317, 71.0834, 55.3915



59.3637, 71.0834, 88.1548

Rectangle

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



71.2211, 71.0834, 104.5745



76.8197, 71.0834, 85.5301



64.0317, 71.0834, 55.3915



59.0808, 71.0834, 69.7980

Sweetspot

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



71.2231, 71.0863, 104.5749



86.6926, 89.8525, 107.3818



81.9233, 92.9257, 108.2264



18.3140, 18.9386, 22.9402



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.



71.2231, 71.0863, 104.5749



67.5315, 66.6119, 103.9058



77.2498, 74.1931, 104.8569



17.0460, 17.3999, 22.7100



9.4928, 3.8042, 49.6685



0.9387, 0.3778, 4.8367

Inverse Universe

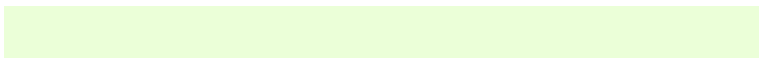
The Inverse Universe completely reimagines the original color for something new.



83.6869, 77.5301, 104.3220



81.9265, 74.0546, 103.5957



82.3675, 94.1152, 78.7938



18.7714, 18.2919, 22.6795



30.4498, 14.6692, 47.8805



2.9709, 1.4307, 4.6942

Previews

White Background



This preview shows how the XYZ color 71.2211, 71.0834, 104.5745 looks on a white background.

Color Contrast Check

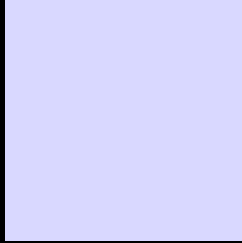
Large Text (above 18pt) WCAG AA × Fail

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 71.2211, 71.0834, 104.5745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

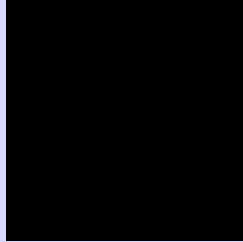
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 71.2211, 71.0834, 104.5745

Background



This preview shows how black text looks on a background with the XYZ color 71.2211, 71.0834, 104.5745.



This preview shows how white text looks on a background with the XYZ color 71.2211, 71.0834,

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

71.2211, 71.0834, 104.5745

Protanopia

70.0142, 70.8428, 104.5916

Deuteranopia

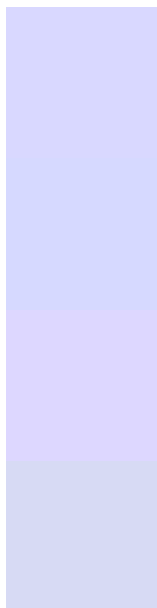
72.5280, 71.0011, 104.4897



Tritanopia

68.3491, 71.0736, 90.2370

Trichromacy



Original Color

71.2211, 71.0834, 104.5745

Protanomaly

70.5944, 71.1418, 104.6188

Deuteranomaly

72.1692, 71.1930, 104.5456

Tritanomaly

69.4249, 71.1215, 95.6567

Monochromacy



Original Color

71.2211, 71.0834, 104.5745

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

69.5547, 71.7619, 87.2763

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.2211, 71.0834, 104.5745 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(217, 216, 255)` looks like.

```
.text, #text, p{  
    color:rgb(217, 216, 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(217, 216, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 216, 255) }
```

Border

The CSS property to change the border of an element to XYZ 71.2211, 71.0834, 104.5745 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(217, 216, 255) }
```


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

```
.border{ border-color:rgb(217, 216, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 216, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 216, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 216, 255);  
box-shadow:4px 4px 4px 4px rgb(217, 216,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 71.2211, 71.0834, 104.5745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 216, 255) }
```

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

```
.background{ background-color: rgb(217,  
216, 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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