

Converting Colors

XYZ(68.7086, 70.9724, 85.6790)

Have a look what the booklet for
XYZ(68.7086, 70.9724, 85.6790)
contains.

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Color

**XYZ(68.7086, 70.9724,
85.6790)**

Conversions

Conversions Part 1

Format	Color
Hex	DBDAE7
RGB	219, 218, 231
RGB Percent	86%, 85%, 91%
CMY	0.1412, 0.1451, 0.0941
CMYK	0.05, 0.06, 0.00, 0.09
HSL	245°, 21%, 88%
HSV	245°, 6%, 91%
XYZ	68.7086, 70.9724, 85.6790
YIQ	219.7810, -3.5770, 4.2550

Conversions

Conversions Part 2

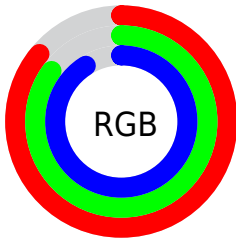
Format	Color
R _Y B	219, 218, 231
Decimal	14408423
CIE Lab	87.47, 2.74, -6.24
CIE LCh	87, 6.820, 293.700
Yxy	70.9724, 0.3049, 0.3149
Android (android.graphics.Color)	4292598503 (0xFFDBDAE7)
YUV	219.7810, 5.5310, -0.6849
Hunter-Lab	84.2451, -1.8480, -1.3276

Details

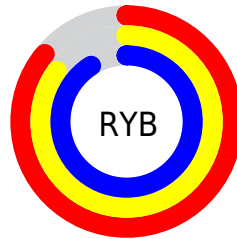
The XYZ color **68.7086, 70.9724, 85.6790** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.8666, 79.0387, 77.6960**, and the grayscale version is **67.8410, 71.3741, 77.7263**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.1449, 37.1820, 45.8293** is the 20% darker color. If you saturate the color by 10%, you get **57.1203, 56.7186, 83.5396**, and if you desaturate by 10%, it is **81.9580, 87.3258, 88.1383**.

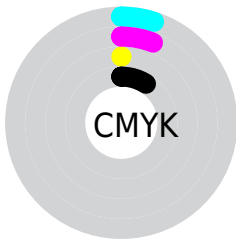
Distribution



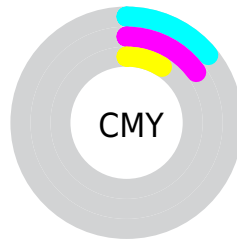
- Red (86%)
- Green (85%)
- Blue (91%)



- Red (86%)
- Yellow (85%)
- Blue (91%)



- Cyan (5%)
- Magenta (6%)
- Yellow (0%)
- Black (9%)



- Cyan (14%)
- Magenta (15%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.7086, 70.9724, 85.6790 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 68.7086, 70.9724, 85.6790 by changing the saturation by 10% instead.

■ 68.7086, 70.9724,
85.6790

■ 68.7086, 70.9724,
85.6790

445.3400,
463.9569, 534.0752

■ 50.7502, 52.3197,
63.8492

116.4016,
120.5944, 143.2040

■ 36.2301, 37.2599,
46.0831

146.8670,
152.3325, 179.7363

■ 24.7829, 25.4088,
31.9623

182.2320,
189.2012, 222.0065

■ 16.0432, 16.3819,
21.0681

222.8621,
231.5848, 270.4332

■ 9.6458, 9.7948,
12.9821

269.1226,
279.8678, 325.4349

■ 5.2252, 5.2631,
7.2856

321.3788,

■ 2.4161, 2.4025,

334.4346, 387.4301

3.5602

379.9962,
395.6695, 456.8373

■ 0.8531, 0.8272,
1.3873

■ 0.0000, 0.0000,
0.1318

■ 68.7086, 70.9724,
85.6790

■ 68.7086, 70.9724,
85.6790

■ 57.1203, 56.7186,
83.5396

■ 81.9580, 87.3258,
88.1383

■ 47.1217, 44.4706,
81.7025

■ 91.4240, 98.5496,
89.8058

■ 38.6452, 34.1412,
80.1555

■ 31.6159, 25.6329,
78.8837

■ 25.9527, 18.8400,
77.8710

■ 21.5663, 13.6456,
77.0996

■ 18.3571, 9.9184,
76.5493

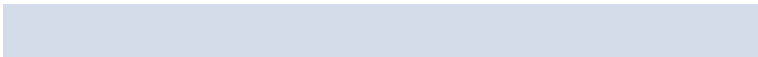
■ 16.2100, 7.5061,
76.1968

■ 14.9867, 6.2225,
76.0135

Harmonies

Analogous

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



67.1182, 70.9724, 86.4245



68.7086, 70.9724, 85.6790



69.9819, 70.9724, 82.6430

Triad

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



68.7086, 70.9724, 85.6790



69.3057, 70.9724, 70.3524



64.4279, 70.9724, 76.3085

Complementary

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



68.7086, 70.9724, 85.6790



73.8666, 79.0387, 77.6960

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.



64.9939, 70.9724, 72.1482



68.7086, 70.9724, 85.6790



67.7973, 70.9724, 68.7987

Square

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



68.7086, 70.9724, 85.6790



70.3304, 70.9724, 73.7692



66.2210, 70.9724, 69.4428



64.6632, 70.9724, 80.8941

Rectangle

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



68.7086, 70.9724, 85.6790



70.4710, 70.9724, 79.7910



66.2210, 70.9724, 69.4428



64.5305, 70.9724, 74.8162

Sweetspot

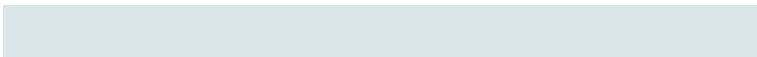
The Sweet Spot groups the original color and five complimentary colors.



68.7107, 70.9754, 85.6806



91.7333, 95.9069, 108.2848



71.6734, 77.3446, 86.7538



19.6694, 20.5709, 23.1838



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.



68.7107, 70.9754, 85.6806



83.8119, 86.1423, 106.8175



70.6635, 71.9821, 85.7719



14.1664, 14.5327, 18.2028



8.2625, 3.3253, 42.5895



0.6465, 0.2642, 3.1489

Inverse Universe

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



72.3118, 72.8481, 85.1164



89.3980, 89.0474, 105.9328



71.8599, 78.0042, 77.6021



15.1871, 15.0635, 18.0405



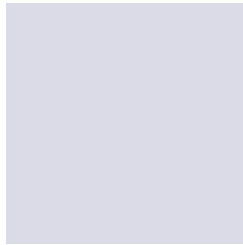
25.2497, 12.2341, 36.5392



1.8801, 0.9098, 2.7753

Previews

White Background



This preview shows how the XYZ color 68.7086, 70.9724, 85.6790 looks on a white background.

Color Contrast Check

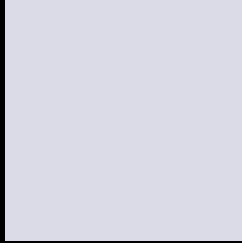
Large Text (above 18pt) WCAG AA × Fail

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 68.7086, 70.9724, 85.6790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

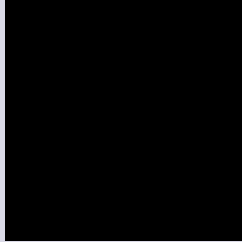
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

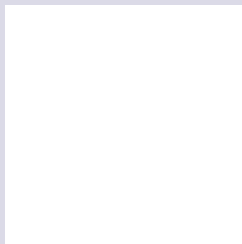
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.7086, 70.9724, 85.6790

Background



This preview shows how black text looks on a background with the XYZ color 68.7086, 70.9724, 85.6790.



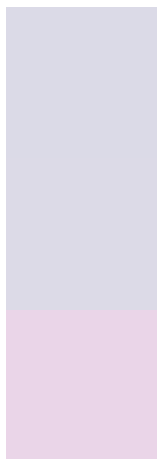
This preview shows how white text looks on a background with the XYZ color 68.7086, 70.9724,

85.6790.

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

68.7086, 70.9724, 85.6790

Protanopia

69.0104, 71.1280, 85.6931

Deuteranopia

72.2914, 70.9071, 86.2202



Tritanopia

69.3235, 70.8395, 88.6169

Trichromacy



Original Color

68.7086, 70.9724, 85.6790

Protanomaly

69.0104, 71.1280, 85.6931

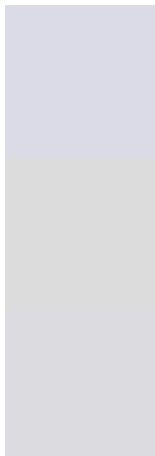
Deuteranomaly

71.1790, 71.0851, 86.3132

Tritanomaly

69.1793, 70.7819, 87.8580

Monochromacy



Original Color

68.7086, 70.9724, 85.6790

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

68.3013, 71.2605, 80.6758

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.7086, 70.9724, 85.6790 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(219, 218, 231) looks like.

```
.text, #text, p{  
    color:rgb(219, 218, 231)  
}
```

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(219, 218, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 218, 231) }
```

Border

The CSS property to change the border of an element to XYZ 68.7086, 70.9724, 85.6790 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(219, 218, 231) }
```


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

```
.border{ border-color:rgb(219, 218, 231) }
```

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

Here you see how a box with a 4 pixel rgb(219, 218, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 218, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 218, 231);  
box-shadow:4px 4px 4px 4px rgb(219, 218,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 68.7086, 70.9724, 85.6790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 218, 231) }
```

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

```
.background{ background-color: rgb(219,  
218, 231) }
```

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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