

Converting Colors

XYZ(67.0805, 69.6220, 84.8285)

Have a look what the booklet for
XYZ(67.0805, 69.6220, 84.8285)
contains.

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Color

**XYZ(67.1201, 69.7860,
84.7953)**

Conversions

Conversions Part 1

Format	Color
Hex	D7D9E6
RGB	215, 217, 230
RGB Percent	84%, 85%, 90%
CMY	0.1569, 0.1490, 0.0980
CMYK	0.07, 0.06, 0.00, 0.10
HSL	232°, 23%, 87%
HSV	232°, 7%, 90%
XYZ	67.1201, 69.7860, 84.7953
YIQ	217.8840, -5.3650, 3.6190

Conversions

Conversions Part 2

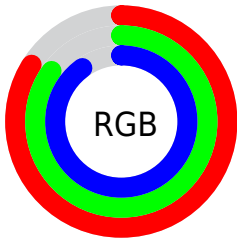
Format	Color
R _Y B	215, 217, 230
Decimal	14146022
CIE Lab	86.89, 1.76, -6.61
CIE LCh	87, 6.836, 284.876
Yxy	69.7860, 0.3028, 0.3148
Android (android.graphics.Color)	4292336102 (0xFFD7D9E6)
YUV	217.8840, 5.9732, -2.5293
Hunter-Lab	83.5380, -2.7725, -1.7057

Details

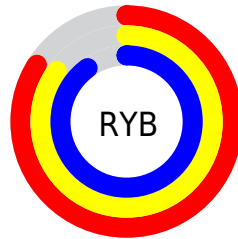
The XYZ color **67.1201, 69.7860, 84.7953** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.6423, 77.2152, 75.3665**, and the grayscale version is **66.5252, 69.9897, 76.2187**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.1554, 36.4094, 45.7323** is the 20% darker color. If you saturate the color by 10%, you get **56.0055, 56.8875, 82.8925**, and if you desaturate by 10%, it is **79.8085, 84.4204, 86.9523**.

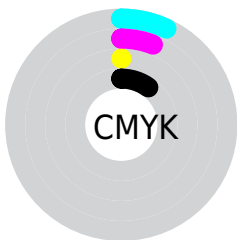
Distribution



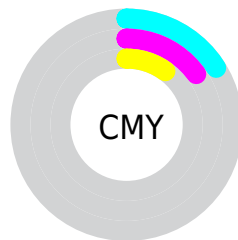
- Red (84%)
- Green (85%)
- Blue (90%)



- Red (84%)
- Yellow (85%)
- Blue (90%)



- Cyan (7%)
- Magenta (6%)
- Yellow (0%)
- Black (10%)



- Cyan (16%)
- Magenta (15%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.1201, 69.7860, 84.7953 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 67.1201, 69.7860, 84.7953 by changing the saturation by 10% instead.

■ 67.1201, 69.7860,
84.7953

■ 67.1201, 69.7860,
84.7953

439.7979,
459.7983, 531.0774

■ 49.4533, 51.3521,
63.1231

114.1413,
118.9035, 141.9588

■ 35.1952, 36.4889,
45.4991

144.2265,
150.3559, 178.2871

■ 23.9805, 24.8120,
31.5050

179.1818,
186.9166, 220.3379

■ 15.4438, 15.9371,
20.7220

219.3725,
228.9700, 268.5296

■ 9.2198, 9.4796,
12.7317

265.1642,
276.9005, 323.2809

■ 4.9431, 5.0553,
7.1155

316.9221,

■ 2.2483, 2.2798,

331.0924, 385.0103

3.4549

375.0115,
391.9302, 454.1363

■ 0.7680, 0.7630,
1.3313

■ 0.0000, 0.0000,
0.0873

■ 67.1201, 69.7860,
84.7953

■ 67.1201, 69.7860,
84.7953

■ 56.0055, 56.8875,
82.8925

■ 79.8085, 84.4204,
86.9523

■ 46.3972, 45.6517,
81.2302

■ 91.2831, 98.4932,
89.0639

■ 38.2318, 36.0132,
79.8002

■ 31.4391, 27.8991,
78.5920

■ 25.9427, 21.2305,
77.5945

■ 21.6590, 15.9215,
76.7955

■ 18.4941, 11.8769,
76.1817

■ 16.3403, 8.9886,
75.7377

■ 15.0654, 7.1290,
75.4459

Harmonies

Analogous

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



65.5324, 69.7860, 84.7847



67.1201, 69.7860, 84.7953



68.5173, 69.7860, 82.3816

Triad

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



67.1201, 69.7860, 84.7953



68.5269, 69.7860, 69.9539



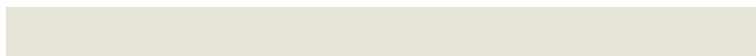
63.4123, 69.7860, 73.7162

Complementary

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



67.1201, 69.7860, 84.7953



72.6423, 77.2152, 75.3665

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.



64.1887, 69.7860, 69.9286



67.1201, 69.7860, 84.7953



67.1330, 69.7860, 67.8164

Square

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



67.1201, 69.7860, 84.7953



69.3384, 69.7860, 73.7520



65.5451, 69.7860, 67.8073



63.4090, 69.7860, 78.2628

Rectangle

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



67.1201, 69.7860, 84.7953



69.1456, 69.7860, 79.7761



65.5451, 69.7860, 67.8073



63.5910, 69.7860, 72.3161

Sweetspot

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



67.1221, 69.7890, 84.7968



91.8050, 96.2585, 108.3489



70.2911, 76.6294, 84.3042



19.6841, 20.6425, 23.1969



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.



67.1221, 69.7890, 84.7968



82.5574, 85.5708, 106.7733



68.1754, 69.5699, 84.6990



13.7373, 14.1959, 18.1604



8.4096, 3.8813, 42.6891



0.6715, 0.3869, 3.1713

Inverse Universe

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



69.4595, 70.4350, 75.5836



86.1675, 86.5813, 92.5402



71.5371, 77.4684, 75.4736



14.4550, 14.3992, 15.3303



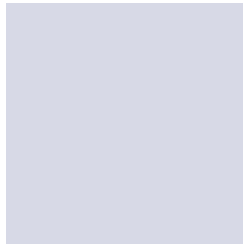
18.6383, 9.5895, 1.7242



1.4026, 0.7187, 0.2604

Previews

White Background



This preview shows how the XYZ color 67.1201, 69.7860, 84.7953 looks on a white background.

Color Contrast Check

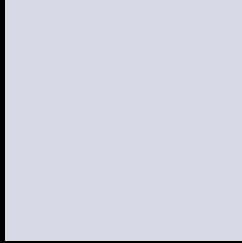
Large Text (above 18pt) WCAG AA × Fail

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 67.1201, 69.7860, 84.7953 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

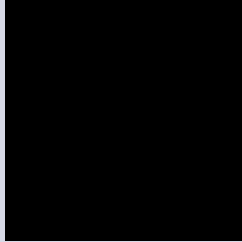
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

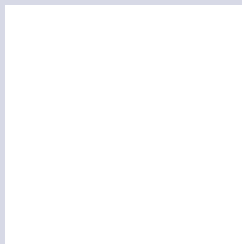
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.1201, 69.7860, 84.7953

Background



This preview shows how black text looks on a background with the XYZ color 67.1201, 69.7860, 84.7953.

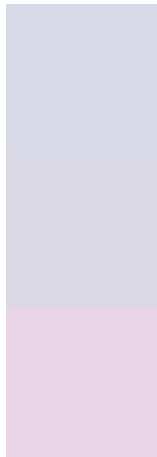


This preview shows how white text looks on a background with the XYZ color 67.1201, 69.7860,

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

67.1201, 69.7860, 84.7953

Protanopia

67.6122, 69.6743, 84.0137

Deuteranopia

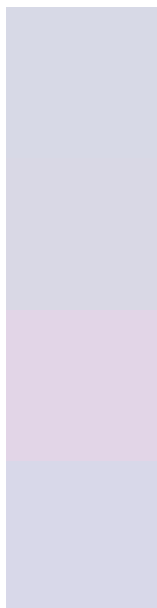
70.9968, 69.5139, 85.2769



Tritanopia

67.7261, 69.6512, 87.7164

Trichromacy



Original Color

67.1201, 69.7860, 84.7953

Protanomaly

67.3140, 69.5206, 83.9997

Deuteranomaly

69.5821, 69.5268, 85.3539

Tritanomaly

67.5827, 69.5939, 86.9618

Monochromacy



Original Color

67.1201, 69.7860, 84.7953

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

66.8715, 70.1684, 79.1266

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.1201, 69.7860, 84.7953 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(215, 217, 230)` looks like.

```
.text, #text, p{  
    color:rgb(215, 217, 230)  
}
```

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(215, 217, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 217, 230) }
```

Border

The CSS property to change the border of an element to XYZ 67.1201, 69.7860, 84.7953 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(215, 217, 230) }
```


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

```
.border{ border-color:rgb(215, 217, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 217, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 217, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 217, 230);  
box-shadow:4px 4px 4px 4px rgb(215, 217,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 67.1201, 69.7860, 84.7953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 217, 230) }
```

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

```
.background{ background-color: rgb(215,  
217, 230) }
```

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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