

Converting Colors

XYZ(67.7507, 71.2551, 85.7852)

Have a look what the booklet for
XYZ(67.7507, 71.2551, 85.7852)
contains.

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Color

**XYZ(67.7486, 71.2521,
85.7836)**

Conversions

Conversions Part 1

Format	Color
Hex	D6DCE7
RGB	214, 220, 231
RGB Percent	84%, 86%, 91%
CMY	0.1608, 0.1372, 0.0941
CMYK	0.07, 0.05, 0.00, 0.09
HSL	219°, 26%, 87%
HSV	219°, 7%, 91%
XYZ	67.7486, 71.2521, 85.7836
YIQ	219.4600, -7.1070, 2.1490

Conversions

Conversions Part 2

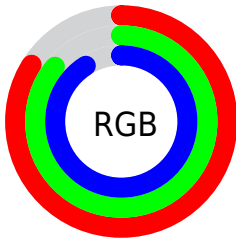
Format	Color
R _Y B	214, 218, 231
Decimal	14081255
CIE Lab	87.61, 0.06, -6.09
CIE LCh	88, 6.086, 270.530
Yxy	71.2521, 0.3014, 0.3170
Android (android.graphics.Color)	4292271335 (0xFFD6DCE7)
YUV	219.4600, 5.6892, -4.7884
Hunter-Lab	84.4110, -4.4543, -1.1665

Details

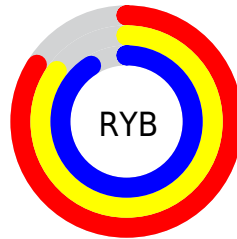
The XYZ color **67.7486, 71.2521, 85.7836** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.0181, 75.6938, 74.4342**, and the grayscale version is **67.6184, 71.1398, 77.4713**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.4911, 37.3763, 45.9012** is the 20% darker color. If you saturate the color by 10%, you get **57.7314, 60.5258, 84.2423**, and if you desaturate by 10%, it is **79.0765, 83.1784, 87.4897**.

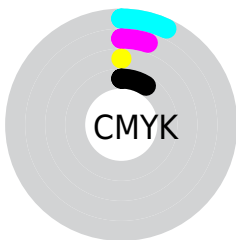
Distribution



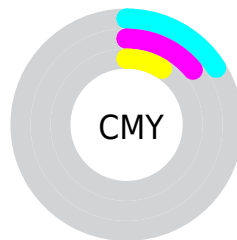
- Red (84%)
- Green (86%)
- Blue (91%)



- Red (84%)
- Yellow (85%)
- Blue (91%)



- Cyan (7%)
- Magenta (5%)
- Yellow (0%)
- Black (9%)



- Cyan (16%)
- Magenta (14%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.7486, 71.2521, 85.7836 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 67.7486, 71.2521, 85.7836 by changing the saturation by 10% instead.

■ 67.7486, 71.2521,
85.7836

■ 67.7486, 71.2521,
85.7836

441.9955,
464.9342, 534.4295

■ 49.9662, 52.5480,
63.9352

115.0363,
120.9926, 143.3513

■ 35.6042, 37.4420,
46.1523

145.2723,
152.7978, 179.9077

■ 24.2974, 25.5499,
32.0165

180.3902,
189.7387, 222.2039

■ 15.6803, 16.4872,
21.1092

220.7553,
232.1999, 270.6583

■ 9.3876, 9.8696,
13.0118

266.7331,
280.5656, 325.6895

■ 5.0540, 5.3126,
7.3059

318.6888,

■ 2.3141, 2.4318,

335.2203, 387.7161

3.5728

376.9878,
396.5484, 457.1565

■ 0.8018, 0.8422,
1.3940

■ 0.0000, 0.0000,
0.1371

■ 67.7486, 71.2521,
85.7836

■ 67.7486, 71.2521,
85.7836

■ 57.7314, 60.5258,
84.2423

■ 79.0765, 83.1784,
87.4897

■ 48.9697, 50.9515,
82.8561

■ 89.8156, 95.3327,
89.2697

■ 41.4130, 42.4912,
81.6213

■ 91.4240, 98.5496,
89.8058

■ 35.0052, 35.1011,
80.5326

■ 29.6853, 28.7344,
79.5841

■ 25.3863, 23.3400,
78.7695

■ 22.0329, 18.8621,
78.0819

■ 19.5382, 15.2374,
77.5137

■ 17.7901, 12.3884,
77.0560

Harmonies

Analogous

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



66.3700, 71.2521, 84.6916



67.7486, 71.2521, 85.7836



69.1392, 71.2521, 84.6138

Triad

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



67.7486, 71.2521, 85.7836



70.1359, 71.2521, 73.6227



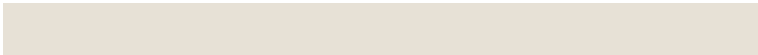
65.3410, 71.2521, 73.7455

Complementary

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



67.7486, 71.2521, 85.7836



72.0181, 75.6938, 74.4342

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.



66.3262, 71.2521, 70.9499



67.7486, 71.2521, 85.7836



69.0942, 71.2521, 70.8808

Square

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



67.7486, 71.2521, 85.7836



70.5295, 71.2521, 77.5081



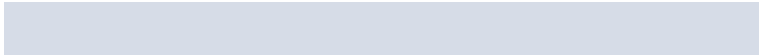
67.6974, 71.2521, 69.9195



64.9920, 71.2521, 77.6548

Rectangle

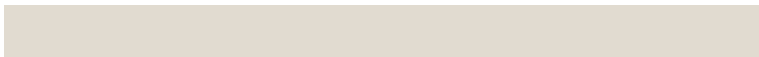
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.7486, 71.2521, 85.7836



69.8829, 71.2521, 82.7318



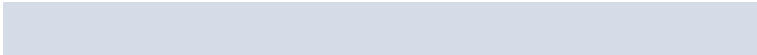
67.6974, 71.2521, 69.9195



65.6081, 71.2521, 72.6493

Sweetspot

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



67.7507, 71.2551, 85.7852



92.1551, 96.9587, 108.4655



69.8675, 76.8727, 82.2241



19.7553, 20.7851, 23.2207



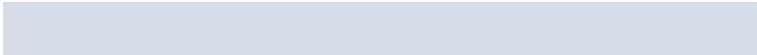
0.0000, 0.0000, 0.0000



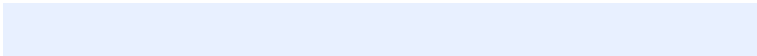
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.7507, 71.2551, 85.7852



82.5505, 86.7953, 107.0100



66.8694, 68.5036, 85.3005



13.9971, 14.7157, 18.2470



9.8656, 6.7934, 43.1744



0.8140, 0.6720, 3.2188

Inverse Universe

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



69.9215, 70.2509, 77.5882



85.8618, 85.3018, 94.4979



72.9427, 78.6222, 74.9507



14.5861, 14.4516, 16.0210



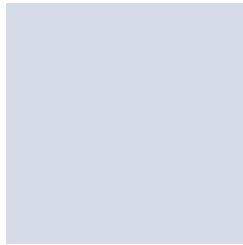
19.3732, 9.8835, 5.5944



1.4745, 0.7475, 0.6393

Previews

White Background



This preview shows how the XYZ color 67.7486, 71.2521, 85.7836 looks on a white background.

Color Contrast Check

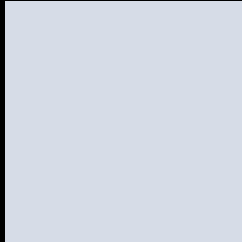
Large Text (above 18pt) WCAG AA × Fail

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 67.7486, 71.2521, 85.7836 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

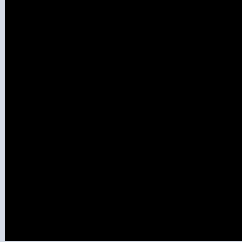
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

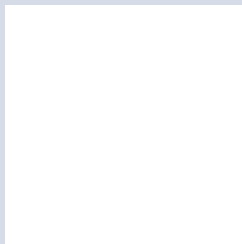
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.7486, 71.2521, 85.7836

Background



This preview shows how black text looks on a background with the XYZ color 67.7486, 71.2521, 85.7836.

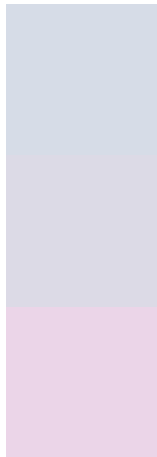


This preview shows how white text looks on a background with the XYZ color 67.7486, 71.2521,

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

67.7486, 71.2521, 85.7836

Protanopia

68.8695, 71.0716, 84.9513

Deuteranopia

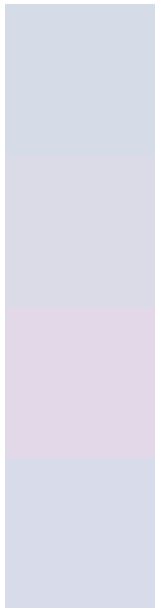
72.6207, 71.0769, 86.2356



Tritanopia

68.4962, 71.1662, 89.4832

Trichromacy



Original Color

67.7486, 71.2521, 85.7836

Protanomaly

68.5279, 71.2816, 85.0098

Deuteranomaly

70.7999, 71.2688, 86.3686

Tritanomaly

68.2071, 71.0506, 87.9611

Monochromacy



Original Color

67.7486, 71.2521, 85.7836

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

67.2661, 70.7425, 79.9214

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.7486, 71.2521, 85.7836 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(214, 220, 231) looks like.

```
.text, #text, p{  
    color:rgb(214, 220, 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(214, 220, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 220, 231) }
```

Border

The CSS property to change the border of an element to XYZ 67.7486, 71.2521, 85.7836 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(214, 220, 231) }
```


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

```
.border{ border-color:rgb(214, 220, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 220, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(214, 220, 231); -webkit-box-shadow:4px 4px 4px 4px rgb(214, 220, 231); box-shadow:4px 4px 4px 4px rgb(214, 220, 231) }
```

Background

The CSS property to change the background color of an element to XYZ 67.7486, 71.2521, 85.7836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 220, 231) }
```

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

```
.background{ background-color: rgb(214,  
220, 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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