

Converting Colors

XYZ(67.6844, 71.2264, 86.4711)

Have a look what the booklet for
XYZ(67.6844, 71.2264, 86.4711)
contains.

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Color

**XYZ(67.5993, 71.1587,
86.5161)**

Conversions

Conversions Part 1

Format	Color
Hex	D5DCE8
RGB	213, 220, 232
RGB Percent	84%, 86%, 91%
CMY	0.1647, 0.1372, 0.0902
CMYK	0.08, 0.05, 0.00, 0.09
HSL	218°, 29%, 87%
HSV	218°, 8%, 91%
XYZ	67.5993, 71.1587, 86.5161
YIQ	219.2750, -8.0240, 2.2480

Conversions

Conversions Part 2

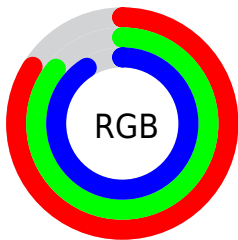
Format	Color
R _Y B	213, 218, 232
Decimal	14015720
CIE Lab	87.56, -0.08, -6.69
CIE LCh	88, 6.688, 269.342
Yxy	71.1587, 0.3001, 0.3159
Android (android.graphics.Color)	4292205800 (0xFFD5DCE8)
YUV	219.2750, 6.2734, -5.5032
Hunter-Lab	84.3556, -4.5794, -1.7596

Details

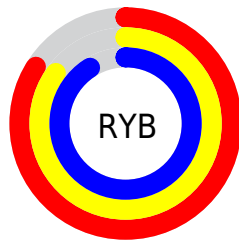
The XYZ color **67.5993, 71.1587, 86.5161** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.2146, 75.8100, 73.7789**, and the grayscale version is **67.4863, 71.0009, 77.3200**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.3922, 37.3140, 46.4112** is the 20% darker color. If you saturate the color by 10%, you get **57.6680, 60.5810, 84.9989**, and if you desaturate by 10%, it is **78.8343, 82.9125, 88.1938**.

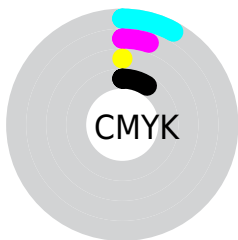
Distribution



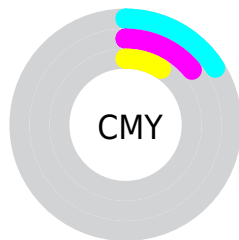
- Red (84%)
- Green (86%)
- Blue (91%)



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



- Cyan (8%)
- Magenta (5%)
- Yellow (0%)
- Black (9%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.5993, 71.1587, 86.5161 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 67.5993, 71.1587, 86.5161 by changing the saturation by 10% instead.

■ 67.5993, 71.1587,
86.5161

■ 67.5993, 71.1587,
86.5161

441.4740,
464.6080, 536.9063

■ 49.8443, 52.4717,
64.5375

114.8238,
120.8597, 144.3824

■ 35.5070, 37.3812,
46.6372

145.0240,
152.6424, 181.1071

■ 24.2220, 25.5028,
32.3966

180.1033,
189.5593, 223.5844

■ 15.6240, 16.4520,
21.3973

220.4271,
231.9945, 272.2326

■ 9.3477, 9.8446,
13.2207

266.3607,
280.3327, 327.4704

■ 5.0275, 5.2960,
7.4482

318.2695,

■ 2.2984, 2.4220,

334.9580, 389.7162

3.6613

376.5188,
396.2550, 459.3887

■ 0.7938, 0.8372,
1.4414

■ 0.0000, 0.0000,
0.1737

■ 67.5993, 71.1587,
86.5161

■ 67.5993, 71.1587,
86.5161

■ 57.6680, 60.5810,
84.9989

■ 78.8343, 82.9125,
88.1938

■ 48.9850, 51.1323,
83.6328

■ 89.7751, 95.0251,
89.9551

■ 41.4997, 42.7752,
82.4142

■ 91.5657, 98.6063,
90.5520

■ 35.1558, 35.4666,
81.3379

■ 29.8920, 29.1605,
80.3981

■ 25.6407, 23.8068,
79.5888

■ 22.3261, 19.3502,
78.9033

■ 19.8600, 15.7280,
78.3341

■ 18.1214, 12.8597,
77.8721

Harmonies

Analogous

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



66.0958, 71.1587, 85.2135



67.5993, 71.1587, 86.5161



69.1349, 71.1587, 85.3200

Triad

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



67.5993, 71.1587, 86.5161



70.3191, 71.1587, 73.2911



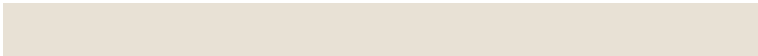
65.0526, 71.1587, 73.1243

Complementary

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



67.5993, 71.1587, 86.5161



72.2146, 75.8100, 73.7789

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.



66.1554, 71.1587, 70.1351



67.5993, 71.1587, 86.5161



69.1963, 71.1587, 70.2287

Square

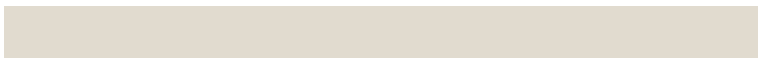
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.5993, 71.1587, 86.5161



70.7199, 71.1587, 77.5798



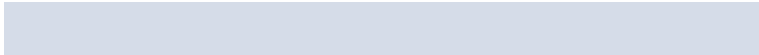
67.6691, 71.1587, 69.0956



64.6396, 71.1587, 77.3798

Rectangle

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



67.5993, 71.1587, 86.5161



69.9668, 71.1587, 83.2921



67.6691, 71.1587, 69.0956



65.3540, 71.1587, 71.9442

Sweetspot

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



67.6014, 71.1617, 86.5177



92.1798, 97.0081, 108.4738



69.8504, 77.2814, 82.2682



19.7604, 20.7951, 23.2223



0.0000, 0.0000, 0.0000



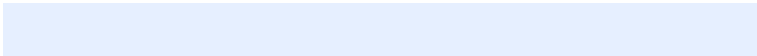
20.3446, 21.4041, 23.3091

Same Dimension

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



67.6014, 71.1617, 86.5177



81.3598, 85.6341, 106.8487



66.4491, 67.8960, 85.9481



14.0157, 14.7528, 18.2532



10.0222, 7.1066, 43.2266



0.8270, 0.6979, 3.2231

Inverse Universe

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



69.9929, 69.9132, 77.5191



84.9629, 83.8017, 93.2803



73.4317, 79.3057, 74.3895



14.5955, 14.4554, 16.0704



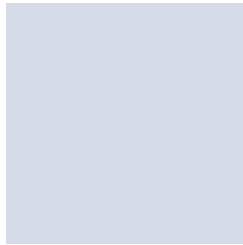
19.4523, 9.9151, 6.0106



1.4811, 0.7501, 0.6738

Previews

White Background



This preview shows how the XYZ color 67.5993, 71.1587, 86.5161 looks on a white background.

Color Contrast Check

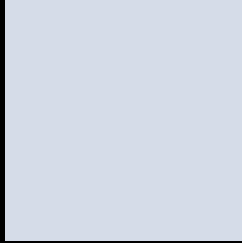
Large Text (above 18pt) WCAG AA × Fail

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 67.5993, 71.1587, 86.5161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

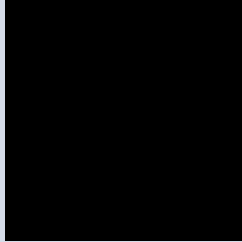
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

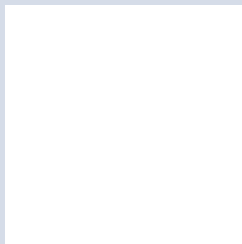
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.5993, 71.1587, 86.5161

Background



This preview shows how black text looks on a background with the XYZ color 67.5993, 71.1587, 86.5161.

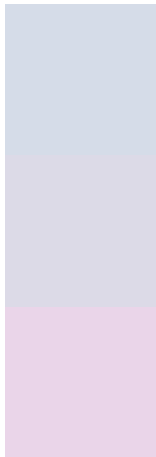


This preview shows how white text looks on a background with the XYZ color 67.5993, 71.1587,

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

67.5993, 71.1587, 86.5161

Protanopia

69.0104, 71.1280, 85.6931

Deuteranopia

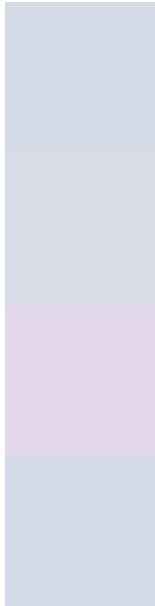
72.4339, 70.9641, 86.9706



Tritanopia

68.3491, 71.0736, 90.2370

Trichromacy



Original Color

67.5993, 71.1587, 86.5161

Protanomaly

68.3706, 71.1843, 85.7377

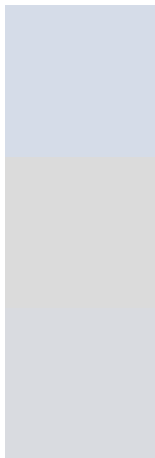
Deuteranomaly

70.6279, 71.1637, 87.1043

Tritanomaly

68.0585, 70.9573, 88.7063

Monochromacy



Original Color

67.5993, 71.1587, 86.5161

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

67.4013, 70.7966, 80.6337

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.5993, 71.1587, 86.5161 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(213, 220, 232) looks like.

```
.text, #text, p{  
    color:rgb(213, 220, 232)  
}
```

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(213, 220, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 220, 232) }
```

Border

The CSS property to change the border of an element to XYZ 67.5993, 71.1587, 86.5161 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(213, 220, 232) }
```


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

```
.border{ border-color:rgb(213, 220, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 220, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 220, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 220, 232);  
box-shadow:4px 4px 4px 4px rgb(213, 220,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 67.5993, 71.1587, 86.5161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 220, 232) }
```

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

```
.background{ background-color: rgb(213,  
220, 232) }
```

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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