

Converting Colors

XYZ(66.9647, 72.8366, 86.8742)

Have a look what the booklet for
XYZ(66.9647, 72.8366, 86.8742)
contains.

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Color

**XYZ(66.9443, 72.7984,
86.8671)**

Conversions

Conversions Part 1

Format	Color
Hex	CEE1E8
RGB	206, 225, 232
RGB Percent	81%, 88%, 91%
CMY	0.1921, 0.1176, 0.0902
CMYK	0.11, 0.03, 0.00, 0.09
HSL	196°, 36%, 86%
HSV	196°, 11%, 91%
XYZ	66.9443, 72.7984, 86.8671
YIQ	220.1170, -13.5710, -1.8510

Conversions

Conversions Part 2

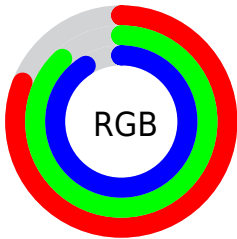
Format	Color
R _Y B	206, 217, 232
Decimal	13558248
CIE Lab	88.35, -4.93, -5.58
CIE LCh	88, 7.441, 228.549
Yxy	72.7984, 0.2954, 0.3213
Android (android.graphics.Color)	4291748328 (0xFFCEE1E8)
YUV	220.1170, 5.8583, -12.3806
Hunter-Lab	85.3220, -9.2609, -0.6383

Details

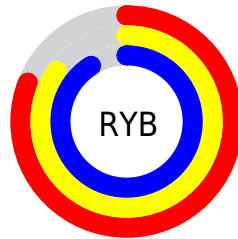
The XYZ color **66.9443, 72.7984, 86.8671** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.2140, 69.2003, 68.1556**, and the grayscale version is **68.0781, 71.6234, 77.9979**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.1601, 38.5594, 46.6639** is the 20% darker color. If you saturate the color by 10%, you get **59.3164, 66.4080, 86.0368**, and if you desaturate by 10%, it is **75.5888, 79.8085, 87.7657**.

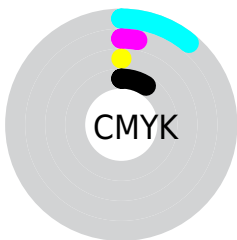
Distribution



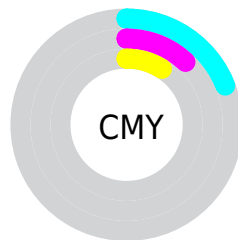
- Red (81%)
- Green (88%)
- Blue (91%)



- Red (81%)
- Yellow (85%)
- Blue (91%)



- Cyan (11%)
- Magenta (3%)
- Yellow (0%)
- Black (9%)



- Cyan (19%)
- Magenta (12%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.9443, 72.7984, 86.8671 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 66.9443, 72.7984, 86.8671 by changing the saturation by 10% instead.

■ 66.9443, 72.7984,
86.8671

■ 66.9443, 72.7984,
86.8671

439.1821,
470.3158, 538.0909

■ 49.3099, 53.8111,
64.8262

113.8908,
123.1910, 144.8761

■ 35.0809, 38.4507,
46.8697

143.9337,
155.3651, 181.6814

■ 23.8920, 26.3327,
32.5791

178.8434,
192.7036, 224.2451

■ 15.3778, 17.0727,
21.5357

218.9853,
235.5908, 272.9860

■ 9.1730, 10.2863,
13.3211

264.7247,
284.4113, 328.3224

■ 4.9122, 5.5892,
7.5167

316.4271,

■ 2.2301, 2.5969,

339.5494, 390.6731

3.7040

374.4578,
401.3894, 460.4564

■ 0.7585, 0.9251,
1.4644

■ 0.0000, 0.0000,
0.1912

■ 66.9443, 72.7984,
86.8671

■ 66.9443, 72.7984,
86.8671

■ 59.3164, 66.4080,
86.0368

■ 75.5888, 79.8085,
87.7657

■ 52.6566, 60.6053,
85.2678

■ 85.2832, 87.4504,
88.7298

■ 46.9219, 55.3692,
84.5594

■ 88.0767, 91.6283,
89.3890

■ 42.0632, 50.6734,
83.9091

■ 89.9846, 95.4441,
90.0249

■ 38.0269, 46.4893,
83.3142

■ 91.5657, 98.6063,
90.5520

■ 34.7529, 42.7847,
82.7717

■ 32.1725, 39.5233,
82.2782

■ 30.2037, 36.6617,
81.8296

■ 28.8595, 34.4139,
81.4666

Harmonies

Analogous

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



65.9879, 72.7984, 82.4349



66.9443, 72.7984, 86.8671



68.5132, 72.7984, 89.2998

Triad

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



66.9443, 72.7984, 86.8671



72.6131, 72.7984, 81.2336



68.1061, 72.7984, 70.3022

Complementary

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



66.9443, 72.7984, 86.8671



68.2140, 69.2003, 68.1556

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.



69.8767, 72.7984, 70.0117



66.9443, 72.7984, 86.8671



72.4996, 72.7984, 76.1776

Square

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



66.9443, 72.7984, 86.8671



71.7985, 72.7984, 85.9552



71.4909, 72.7984, 72.1200



66.6507, 72.7984, 72.9314

Rectangle

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



66.9443, 72.7984, 86.8671



69.7044, 72.7984, 89.3935



71.4909, 72.7984, 72.1200



68.6835, 72.7984, 69.9321

Sweetspot

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



66.9464, 72.8014, 86.8687



91.6381, 97.2714, 108.5531



66.3133, 75.6370, 74.0121



19.4234, 20.6666, 23.2153



0.0000, 0.0000, 0.0000



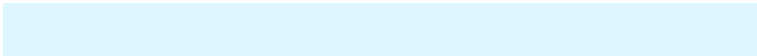
20.3446, 21.4041, 23.3091

Same Dimension

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



66.9464, 72.8014, 86.8687



81.1081, 88.6855, 107.4509



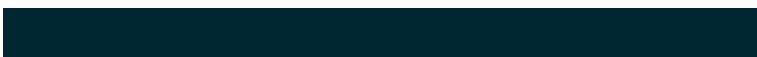
63.5805, 66.0697, 85.7468



14.4622, 15.6458, 18.4020



16.1307, 19.3235, 45.2628



1.2677, 1.5794, 3.3700

Inverse Universe

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



68.9423, 66.7362, 80.4854



83.9681, 80.0816, 98.2841



71.5987, 75.9698, 69.2838



14.8209, 14.5455, 17.2572



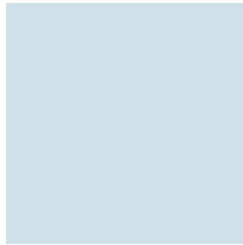
22.5355, 11.1484, 22.2469



1.7035, 0.8391, 1.8452

Previews

White Background



This preview shows how the XYZ color 66.9443, 72.7984, 86.8671 looks on a white background.

Color Contrast Check

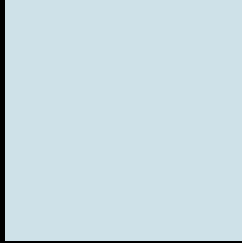
Large Text (above 18pt) WCAG AA × Fail

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 66.9443, 72.7984, 86.8671 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

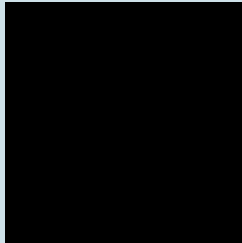
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

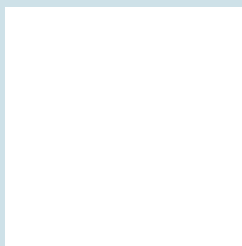
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.9443, 72.7984, 86.8671

Background



This preview shows how black text looks on a background with the XYZ color 66.9443, 72.7984, 86.8671.

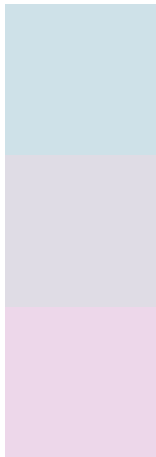


This preview shows how white text looks on a background with the XYZ color 66.9443, 72.7984,

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

66.9443, 72.7984, 86.8671

Protanopia

70.1675, 72.5315, 84.4305

Deuteranopia

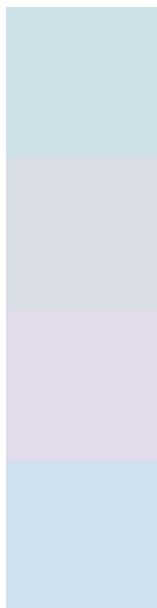
74.0768, 72.5459, 87.9404



Tritanopia

68.5453, 73.0721, 93.7107

Trichromacy



Original Color

66.9443, 72.7984, 86.8671

Protanomaly

69.0195, 72.7074, 85.2591

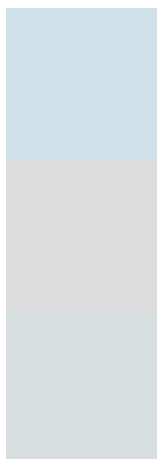
Deuteranomaly

71.4035, 72.7150, 87.3628

Tritanomaly

67.8204, 72.7498, 91.3565

Monochromacy



Original Color

66.9443, 72.7984, 86.8671

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

67.6002, 72.0714, 80.8693

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.9443, 72.7984, 86.8671 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(206, 225, 232) looks like.

```
.text, #text, p{  
    color:rgb(206, 225, 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(206, 225, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 225, 232) }
```

Border

The CSS property to change the border of an element to XYZ 66.9443, 72.7984, 86.8671 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(206, 225, 232) }
```


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

```
.border{ border-color:rgb(206, 225, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 225, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 225, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 225, 232);  
box-shadow:4px 4px 4px 4px rgb(206, 225,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 66.9443, 72.7984, 86.8671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 225, 232) }
```

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

```
.background{ background-color: rgb(206,  
225, 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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