

Converting Colors

XYZ(69.8706, 77.4763, 87.9383)

Have a look what the booklet for
XYZ(69.8706, 77.4763, 87.9383)
contains.

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Color

**XYZ(69.9989, 77.6593,
87.6443)**

Conversions

Conversions Part 1

Format	Color
Hex	D1E9E8
RGB	209, 233, 232
RGB Percent	82%, 91%, 91%
CMY	0.1804, 0.0863, 0.0902
CMYK	0.10, 0.00, 0.00, 0.09
HSL	177°, 35%, 87%
HSV	177°, 10%, 91%
XYZ	69.9989, 77.6593, 87.6443
YIQ	225.7100, -13.9830, -5.3990

Conversions

Conversions Part 2

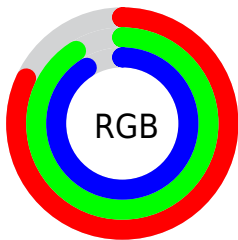
Format	Color
R _Y B	209, 221, 233
Decimal	13756904
CIE Lab	90.62, -8.06, -2.21
CIE LCh	91, 8.354, 195.341
Yxy	77.6593, 0.2975, 0.3300
Android (android.graphics.Color)	4291946984 (0xFFD1E9E8)
YUV	225.7100, 3.1010, -14.6547
Hunter-Lab	88.1245, -12.4321, 2.7202

Details

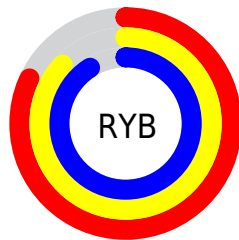
The XYZ color **69.9989, 77.6593, 87.6443** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.0404, 67.5798, 70.4345**, and the grayscale version is **72.0667, 75.8198, 82.5677**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.8850, 41.4489, 47.1307** is the 20% darker color. If you saturate the color by 10%, you get **63.7453, 74.4535, 86.6329**, and if you desaturate by 10%, it is **77.2219, 81.3689, 88.7083**.

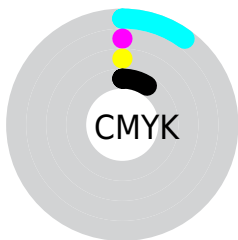
Distribution



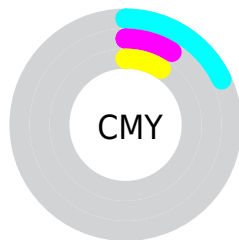
- Red (82%)
- Green (91%)
- Blue (91%)



- Red (82%)
- Yellow (87%)
- Blue (91%)



- Cyan (10%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)



- Cyan (18%)
- Magenta (9%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.9989, 77.6593, 87.6443 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 69.9989, 77.6593, 87.6443 by changing the saturation by 10% instead.

69.9989, 77.6593,
87.6443

69.9989, 77.6593,
87.6443

449.8126,
487.0090, 540.7088

51.8052, 57.7941,
65.4659

118.2335,
130.0697, 145.9686

37.0735, 41.6432,
47.3852

149.0051,
163.3838, 182.9516

25.4383, 28.8220,
32.9837

184.7000,
201.9496, 225.7065

16.5344, 18.9462,
21.8430

225.6837,
246.1516, 274.6519

9.9963, 11.6314,
13.5444

272.3214,
296.3741, 330.2062

5.4588, 6.4932,
7.6693

324.9786,

2.5564, 3.1472,

353.0016, 392.7881

3.7994

384.0205,
416.4184, 462.8161

■ 0.9238, 1.2091,
1.5159

■ 0.0000, 0.0691,
0.2298

■ 69.9989, 77.6593,
87.6443

■ 69.9989, 77.6593,
87.6443

■ 63.7453, 74.4535,
86.6329

■ 77.2219, 81.3689,
88.7083

■ 58.4127, 71.7203,
85.6670


■ 85.2244, 85.4783,
89.8112


■ 53.9585, 69.4399,
84.7462


■ 85.3647, 85.5344,
90.5501


■ 50.3345, 67.5873,
83.8682


■ 85.5058, 85.5909,
91.2931

 47.4873, 66.1351,
83.0306


 85.6477, 85.6476,
92.0402


 45.3578, 65.0528,
82.2305


 85.7903, 85.7047,
92.7913


 43.8781, 64.3054,
81.4648

 85.9337, 85.7620,
93.5465

 42.9675, 63.8513,
80.7297

 86.0779, 85.8197,
94.3058

 42.4953, 63.6226,
80.0397

 86.2229, 85.8777,
95.0692

Harmonies

Analogous

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



69.9869, 77.6593, 81.6740



69.9989, 77.6593, 87.6443



71.0197, 77.6593, 93.0251

Triad

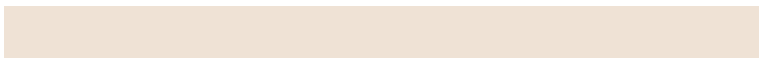
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.9989, 77.6593, 87.6443



76.7130, 77.6593, 92.9217



74.8361, 77.6593, 73.8888

Complementary

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



69.9989, 77.6593, 87.6443



68.0404, 67.5798, 70.4345

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.



76.6782, 77.6593, 76.6205



69.9989, 77.6593, 87.6443



77.7757, 77.6593, 87.5086

Square

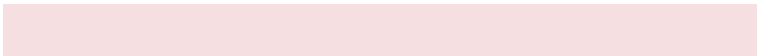
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



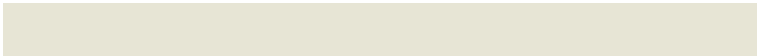
69.9989, 77.6593, 87.6443



74.8828, 77.6593, 96.1686



77.7628, 77.6593, 81.5446



72.7531, 77.6593, 73.9213

Rectangle

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



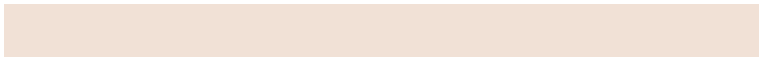
69.9989, 77.6593, 87.6443



72.1462, 77.6593, 95.4725



77.7628, 77.6593, 81.5446



75.5049, 77.6593, 74.5084

Sweetspot

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



70.0011, 77.6626, 87.6460



92.2399, 98.5573, 108.4999



67.2852, 76.6156, 71.5649



19.5864, 21.0149, 23.2008



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.



70.0011, 77.6626, 87.6460



84.4693, 94.5692, 107.3333



67.1792, 71.7899, 87.4107



15.4889, 17.1104, 19.2573



24.1235, 36.1039, 45.4771



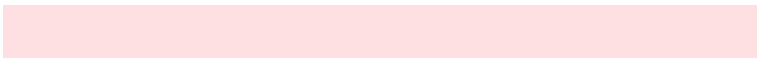
1.9028, 2.8384, 3.6157

Inverse Universe

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



68.0404, 67.5798, 70.4345



81.6868, 80.2600, 82.9073



70.6564, 73.0113, 70.6915



15.0910, 15.0642, 15.7644



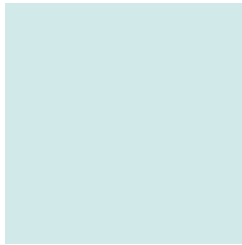
19.1092, 9.8464, 1.1107



1.5095, 0.7768, 0.1347

Previews

White Background



This preview shows how the XYZ color 69.9989, 77.6593, 87.6443 looks on a white background.

Color Contrast Check

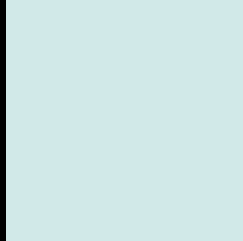
Large Text (above 18pt) WCAG AA × Fail

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 69.9989, 77.6593, 87.6443 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

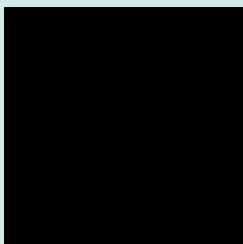
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

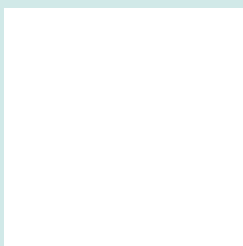
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.9989, 77.6593, 87.6443

Background



This preview shows how black text looks on a background with the XYZ color 69.9989, 77.6593, 87.6443.

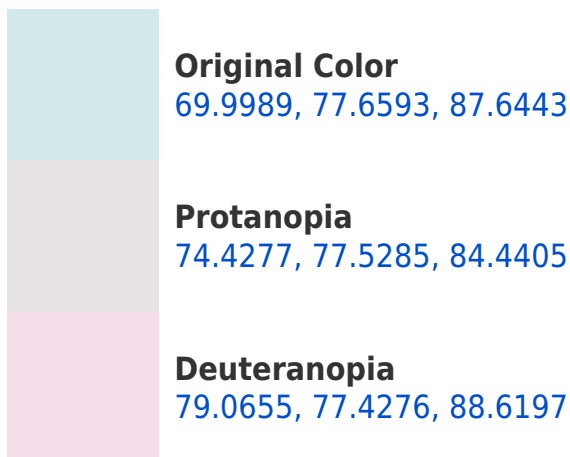


This preview shows how white text looks on a background with the XYZ color 69.9989, 77.6593,

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

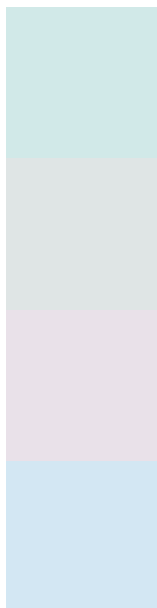




Tritanopia

72.5471, 77.4302, 100.7444

Trichromacy



Original Color

69.9989, 77.6593, 87.6443

Protanomaly

72.5936, 77.3837, 85.2392

Deuteranomaly

75.2375, 77.0573, 87.9989

Tritanomaly

71.6175, 77.4718, 95.9729

Monochromacy



Original Color

69.9989, 77.6593, 87.6443

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

71.5381, 76.8557, 84.4630

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.9989, 77.6593, 87.6443 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(209, 233, 232) looks like.

```
.text, #text, p{  
    color:rgb(209, 233, 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(209, 233, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 233, 232) }
```

Border

The CSS property to change the border of an element to XYZ 69.9989, 77.6593, 87.6443 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(209, 233, 232) }
```


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

```
.border{ border-color:rgb(209, 233, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 233, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 233, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 233, 232);  
box-shadow:4px 4px 4px 4px rgb(209, 233,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 69.9989, 77.6593, 87.6443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 233, 232) }
```

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

```
.background{ background-color: rgb(209,  
233, 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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