

Converting Colors

XYZ(69.5639, 77.4079, 89.9712)

Have a look what the booklet for
XYZ(69.5639, 77.4079, 89.9712)
contains.

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Color

**XYZ(69.5879, 77.3978,
89.8689)**

Conversions

Conversions Part 1

Format	Color
Hex	CEE9EB
RGB	206, 233, 235
RGB Percent	81%, 91%, 92%
CMY	0.1921, 0.0863, 0.0784
CMYK	0.12, 0.01, 0.00, 0.08
HSL	184°, 42%, 86%
HSV	184°, 12%, 92%
XYZ	69.5879, 77.3978, 89.8689
YIQ	225.1550, -16.7340, -5.1020

Conversions

Conversions Part 2

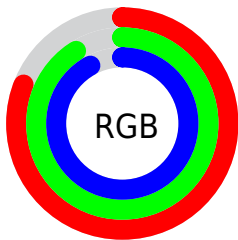
Format	Color
R_{YB}	206, 220, 235
Decimal	13560299
CIE _{Lab}	90.50, -8.43, -3.98
CIE _{LCh}	91, 9.317, 205.273
Yxy	77.3978, 0.2938, 0.3268
Android (android.graphics.Color)	4291750379 (0xFFCEE9EB)
YUV	225.1550, 4.8536, -16.7989
Hunter-Lab	87.9760, -12.7668, 1.0175

Details

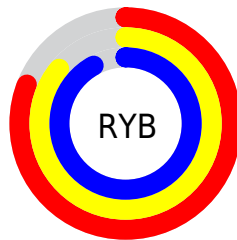
The XYZ color **69.5879, 77.3978, 89.8689** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.9579, 67.2299, 67.7887**, and the grayscale version is **71.6561, 75.3878, 82.0973**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.6213, 41.2783, 48.6852** is the 20% darker color. If you saturate the color by 10%, you get **63.0901, 73.3733, 89.4358**, and if you desaturate by 10%, it is **77.0697, 81.9400, 90.3525**.

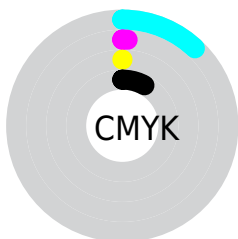
Distribution



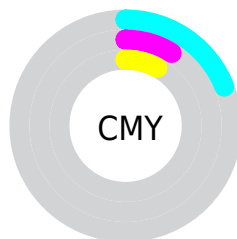
- Red (81%)
- Green (91%)
- Blue (92%)



- Red (81%)
- Yellow (86%)
- Blue (92%)



- Cyan (12%)
- Magenta (1%)
- Yellow (0%)
- Black (8%)



- Cyan (19%)
- Magenta (9%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.5879, 77.3978, 89.8689 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 69.5879, 77.3978, 89.8689 by changing the saturation by 10% instead.

■ 69.5879, 77.3978,
89.8689

■ 69.5879, 77.3978,
89.8689

448.3907,
486.1193, 548.1634

■ 51.4690, 57.5794,
67.2988

117.6504,
129.7009, 149.0902

■ 36.8046, 41.4706,
48.8644

148.3247,
162.9543, 186.5785

■ 25.2292, 28.6870,
34.1471

183.9148,
201.4550, 229.8766

■ 16.3775, 18.8442,
22.7283

224.7862,
245.5872, 279.4031

■ 9.8842, 11.5577,
14.1896

271.3041,
295.7353, 335.5765

■ 5.3839, 6.4433,
8.1124

323.8339,

■ 2.5113, 3.1165,

352.2837, 398.8153

4.0782

382.7410,
415.6169, 469.5381

■ 0.9010, 1.1928,
1.6683

■ 0.0000, 0.0558,
0.3389

■ 69.5879, 77.3978,
89.8689

■ 69.5879, 77.3978,
89.8689

■ 63.0901, 73.3733,
89.4358

■ 77.0697, 81.9400,
90.3525

■ 57.5266, 69.8345,
89.0460


■ 85.5694, 87.0111,
90.8834


■ 52.8532, 66.7608,
88.6990


■ 86.7691, 88.3253,
91.0738


■ 49.0194, 64.1262,
88.3925


■ 87.2420, 89.2709,
91.2314


 45.9700, 61.9020,
88.1239


 87.7191, 90.2251,
91.3904


 43.6428, 60.0563,
87.8903


 88.2004, 91.1878,
91.5509


 41.9663, 58.5522,
87.6884

 88.6860, 92.1590,
91.7127

 40.8543, 57.3453,
87.5140

 89.1759, 93.1388,
91.8760

 40.2807, 56.5683,
87.3943

 89.6701, 94.1271,
92.0408

Harmonies

Analogous

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



69.1902, 77.3978, 83.2203



69.5879, 77.3978, 89.8689



71.0421, 77.3978, 95.2613

Triad

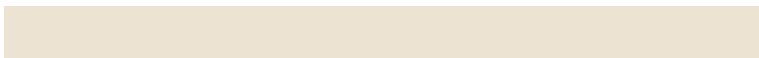
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.5879, 77.3978, 89.8689



77.3072, 77.3978, 91.7937



73.9340, 77.3978, 72.1248

Complementary

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



69.5879, 77.3978, 89.8689



67.9579, 67.2299, 67.7887

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.



76.1454, 77.3978, 74.1641



69.5879, 77.3978, 89.8689



78.1189, 77.3978, 85.3346

Square

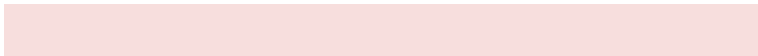
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.5879, 77.3978, 89.8689



75.4931, 77.3978, 96.4130



77.6893, 77.3978, 78.9144



71.6686, 77.3978, 73.1975

Rectangle

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



69.5879, 77.3978, 89.8689



72.4315, 77.3978, 97.2978



77.6893, 77.3978, 78.9144



74.7088, 77.3978, 72.4659

Sweetspot

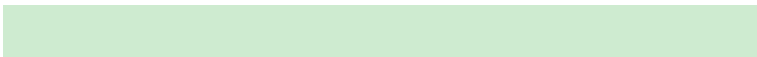
The Sweet Spot groups the original color and five complimentary colors.



69.5901, 77.4010, 89.8706



91.1728, 97.6693, 108.6545



66.5402, 77.0906, 71.0057



19.3634, 20.8139, 23.2469



0.0000, 0.0000, 0.0000



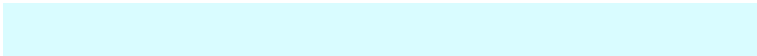
20.3446, 21.4041, 23.3091

Same Dimension

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



69.5901, 77.4010, 89.8706



81.5166, 91.7846, 108.0276



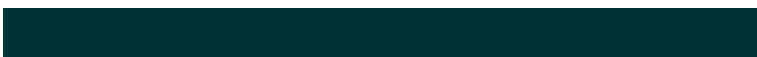
65.6689, 69.5585, 88.5635



15.4237, 16.9339, 19.3779



22.4564, 31.5599, 48.6511



1.7901, 2.5316, 3.8292

Inverse Universe

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



71.0420, 67.6895, 86.4156



83.6173, 77.8085, 103.0117



71.6393, 74.5928, 69.0159



15.6674, 15.2948, 18.8000



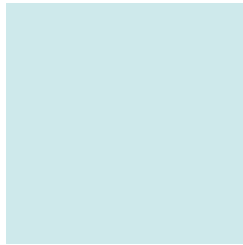
26.1903, 12.6788, 38.3989



2.0701, 1.0010, 3.0862

Previews

White Background



This preview shows how the XYZ color 69.5879, 77.3978, 89.8689 looks on a white background.

Color Contrast Check

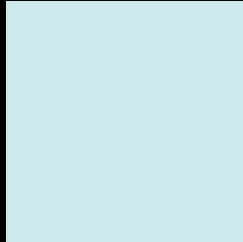
Large Text (above 18pt) WCAG AA × Fail

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 69.5879, 77.3978, 89.8689 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

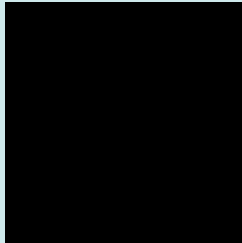
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

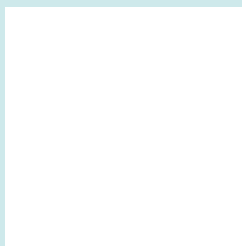
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.5879, 77.3978, 89.8689

Background



This preview shows how black text looks on a background with the XYZ color 69.5879, 77.3978, 89.8689.

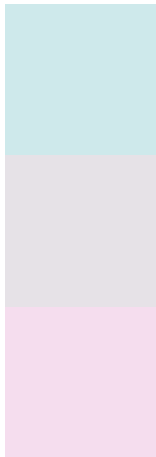


This preview shows how white text looks on a background with the XYZ color 69.5879, 77.3978,

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

69.5879, 77.3978, 89.8689

Protanopia

74.2533, 76.9852, 86.5474

Deuteranopia

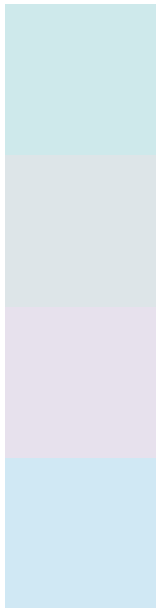
78.9453, 77.2984, 91.6481



Tritanopia

71.9693, 77.5467, 100.7974

Trichromacy



Original Color

69.5879, 77.3978, 89.8689

Protanomaly

72.4036, 77.2370, 87.4361

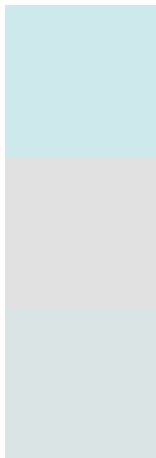
Deuteranomaly

75.1663, 76.9538, 91.0126

Tritanomaly

71.1982, 77.6548, 96.8243

Monochromacy



Original Color

69.5879, 77.3978, 89.8689

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

70.7997, 76.0494, 85.0762

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.5879, 77.3978, 89.8689 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, 233, 235)` looks like.

```
.text, #text, p{  
    color:rgb(206, 233, 235)  
}
```

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, 233, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 233, 235) }
```

Border

The CSS property to change the border of an element to XYZ 69.5879, 77.3978, 89.8689 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, 233, 235) }
```


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

```
.border{ border-color:rgb(206, 233, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 233, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 233, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 233, 235);  
box-shadow:4px 4px 4px 4px rgb(206, 233,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 69.5879, 77.3978, 89.8689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 233, 235) }
```

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

```
.background{ background-color: rgb(206,  
233, 235) }
```

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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