

Converting Colors

XYZ(69.6685, 76.8982, 89.0712)

Have a look what the booklet for
XYZ(69.6685, 76.8982, 89.0712)
contains.

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Color

**XYZ(69.7203, 77.0636,
89.0420)**

Conversions

Conversions Part 1

Format	Color
Hex	D0E8EA
RGB	208, 232, 234
RGB Percent	82%, 91%, 92%
CMY	0.1843, 0.0902, 0.0823
CMYK	0.11, 0.01, 0.00, 0.08
HSL	185°, 38%, 87%
HSV	185°, 11%, 92%
XYZ	69.7203, 77.0636, 89.0420
YIQ	225.0520, -14.9460, -4.4660

Conversions

Conversions Part 2

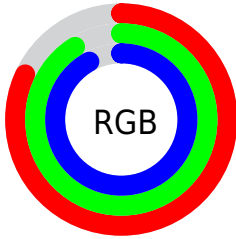
Format	Color
R _Y B	208, 220, 234
Decimal	13691114
CIE Lab	90.35, -7.48, -3.67
CIE LCh	90, 8.328, 206.111
Yxy	77.0636, 0.2956, 0.3268
Android (android.graphics.Color)	4291881194 (0xFFD0E8EA)
YUV	225.0520, 4.4114, -14.9546
Hunter-Lab	87.7859, -11.8590, 1.3117

Details

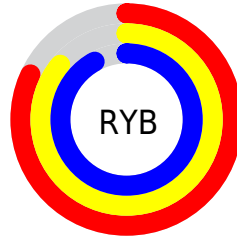
The XYZ color **69.7203, 77.0636, 89.0420** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.3639, 68.1394, 69.2249**, and the grayscale version is **71.5842, 75.3122, 82.0149**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.6981, 41.0373, 48.1063** is the 20% darker color. If you saturate the color by 10%, you get **63.1179, 72.9149, 88.5904**, and if you desaturate by 10%, it is **77.3029, 81.7295, 89.5442**.

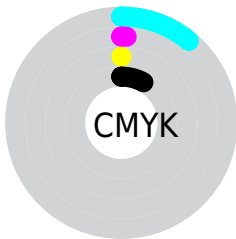
Distribution



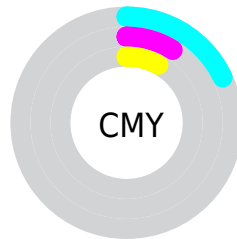
- Red (82%)
- Green (91%)
- Blue (92%)



- Red (82%)
- Yellow (86%)
- Blue (92%)



- Cyan (11%)
- Magenta (1%)
- Yellow (0%)
- Black (8%)



- Cyan (18%)
- Magenta (9%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.7203, 77.0636, 89.0420 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 69.7203, 77.0636, 89.0420 by changing the saturation by 10% instead.

69.7203, 77.0636,
89.0420

69.7203, 77.0636,
89.0420

448.8491,
484.9808, 545.3990

51.5773, 57.3051,
66.6171

117.8382,
129.2293, 147.9308

36.8912, 41.2502,
48.3139

148.5439,
162.4052, 185.2319

25.2965, 28.5147,
33.7138

184.1679,
200.8224, 228.3287

16.4280, 18.7140,
22.3982

225.0754,
244.8652, 277.6400

9.9203, 11.4638,
13.9487

271.6320,
294.9180, 333.5840

5.4080, 6.3797,
7.9466

324.2029,

2.5258, 3.0773,

351.3653, 396.5796

3.9735

383.1534,
414.5915, 467.0450

■ 0.9083, 1.1722,
1.6108

■ 0.0000, 0.0388,
0.2985

■ 69.7203, 77.0636,
89.0420

■ 69.7203, 77.0636,
89.0420

■ 63.1179, 72.9149,
88.5904

■ 77.3029, 81.7295,
89.5442

■ 57.4467, 69.2519,
88.1823

■ 85.8989, 86.9234,
90.0936

■ 52.6636, 66.0542,
87.8172

■ 86.4905, 87.9985,
90.2700

■ 48.7190, 63.2965,
87.4928

■ 87.0145, 89.0466,
90.4447

45.5590, 60.9509,
87.2066

87.5438, 90.1052,
90.6211

43.1231, 58.9860,
86.9557

88.0784, 91.1743,
90.7993

41.3417, 57.3662,
86.7369

88.6182, 92.2539,
90.9792

40.1319, 56.0485,
86.5464

89.1633, 93.3441,
91.1609

39.4155, 55.0686,
86.3950

89.7136, 94.4449,
91.3444

Harmonies

Analogous

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



69.3357, 77.0636, 83.1362



69.7203, 77.0636, 89.0420



71.0433, 77.0636, 93.7618

Triad

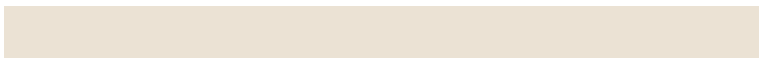
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.7203, 77.0636, 89.0420



76.6106, 77.0636, 90.4465



73.5177, 77.0636, 73.0120

Complementary

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



69.7203, 77.0636, 89.0420



68.3639, 68.1394, 69.2249

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.



75.4951, 77.0636, 74.7721



69.7203, 77.0636, 89.0420



77.3020, 77.0636, 84.6869

Square

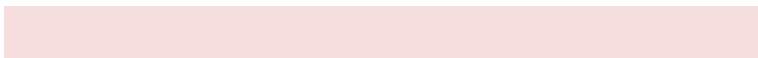
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.7203, 77.0636, 89.0420



75.0176, 77.0636, 94.5992



76.8899, 77.0636, 78.9775



71.5038, 77.0636, 74.0564

Rectangle

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



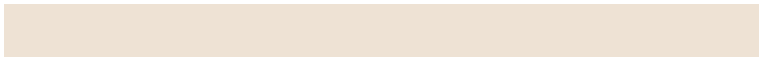
69.7203, 77.0636, 89.0420



72.2926, 77.0636, 95.5039



76.8899, 77.0636, 78.9775



74.2090, 77.0636, 73.2930

Sweetspot

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



69.7225, 77.0668, 89.0437



92.1042, 98.2036, 108.7085



67.0362, 76.8967, 72.1094



19.5496, 20.9190, 23.2573



0.0000, 0.0000, 0.0000



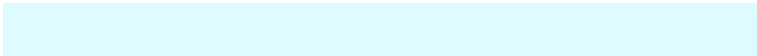
20.3446, 21.4041, 23.3091

Same Dimension

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



69.7225, 77.0668, 89.0437



83.0815, 92.6324, 108.1087



66.2661, 70.1540, 87.8916



15.4129, 16.9123, 19.3743



22.1912, 31.0294, 48.5626



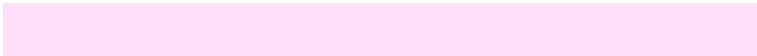
1.7720, 2.4955, 3.8232

Inverse Universe

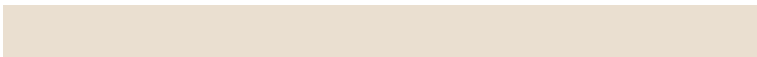
The Inverse Universe completely reimagines the original color for something new.



71.0548, 68.4319, 85.8113



84.9642, 80.4800, 103.5295



71.6346, 74.6808, 70.3151



15.6620, 15.2926, 18.7713



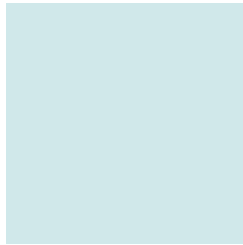
26.0564, 12.6252, 37.6938



2.0609, 0.9973, 3.0383

Previews

White Background



This preview shows how the XYZ color 69.7203, 77.0636, 89.0420 looks on a white background.

Color Contrast Check

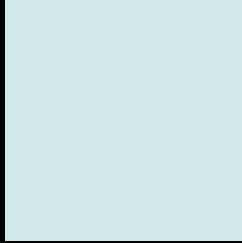
Large Text (above 18pt) WCAG AA × Fail

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 69.7203, 77.0636, 89.0420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

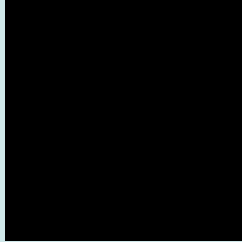
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.7203, 77.0636, 89.0420

Background



This preview shows how black text looks on a background with the XYZ color 69.7203, 77.0636, 89.0420.

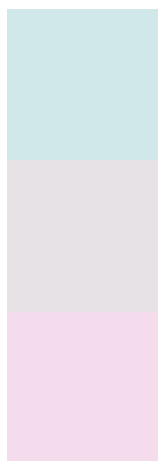


This preview shows how white text looks on a background with the XYZ color 69.7203, 77.0636,

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

69.7203, 77.0636, 89.0420

Protanopia

74.1124, 76.9289, 85.8055

Deuteranopia

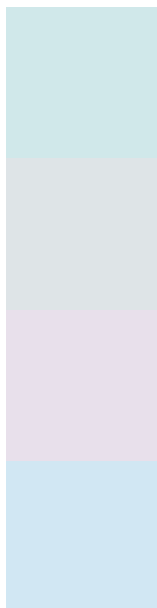
78.3897, 76.6550, 90.0212



Tritanopia

71.8184, 77.0726, 99.8982

Trichromacy



Original Color

69.7203, 77.0636, 89.0420

Protanomaly

72.2914, 76.7859, 86.6123

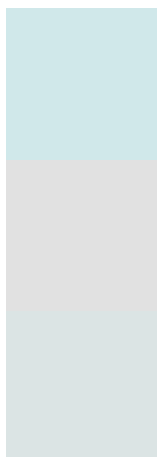
Deuteranomaly

74.9298, 76.4653, 89.4073

Tritanomaly

71.0481, 77.1782, 95.9463

Monochromacy



Original Color

69.7203, 77.0636, 89.0420

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

70.9604, 76.1483, 84.3569

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.7203, 77.0636, 89.0420 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(208, 232, 234)` looks like.

```
.text, #text, p{  
    color:rgb(208, 232, 234)  
}
```

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(208, 232, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 232, 234) }
```

Border

The CSS property to change the border of an element to XYZ 69.7203, 77.0636, 89.0420 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(208, 232, 234) }
```


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

```
.border{ border-color:rgb(208, 232, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 232, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 232, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 232, 234);  
box-shadow:4px 4px 4px 4px rgb(208, 232,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 69.7203, 77.0636, 89.0420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 232, 234) }
```

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

```
.background{ background-color: rgb(208,  
232, 234) }
```

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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