

Converting Colors

XYZ(66.8304, 73.7008, 88.9979)

Have a look what the booklet for
XYZ(66.8304, 73.7008, 88.9979)
contains.

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Color

**XYZ(66.8216, 73.4929,
89.2609)**

Conversions

Conversions Part 1

Format	Color
Hex	CAE3EB
RGB	202, 227, 235
RGB Percent	79%, 89%, 92%
CMY	0.2078, 0.1098, 0.0784
CMYK	0.14, 0.03, 0.00, 0.08
HSL	195°, 45%, 86%
HSV	195°, 14%, 92%
XYZ	66.8216, 73.4929, 89.2609
YIQ	220.4370, -17.4680, -2.8120

Conversions

Conversions Part 2

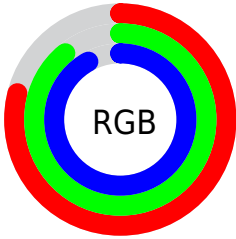
Format	Color
R _Y B	202, 216, 235
Decimal	13296619
CIE Lab	88.68, -6.62, -6.70
CIE LCh	89, 9.418, 225.309
Yxy	73.4929, 0.2911, 0.3201
Android (android.graphics.Color)	4291486699 (0xFFCAE3EB)
YUV	220.4370, 7.1796, -16.1692
Hunter-Lab	85.7280, -10.8903, -1.7238

Details

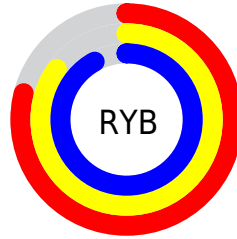
The XYZ color **66.8216, 73.4929, 89.2609** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.9687, 68.0194, 65.4252**, and the grayscale version is **68.2947, 71.8513, 78.2461**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.1019, 39.0556, 48.3362** is the 20% darker color. If you saturate the color by 10%, you get **59.4096, 67.3996, 88.4766**, and if you desaturate by 10%, it is **75.2577, 80.1945, 90.1110**.

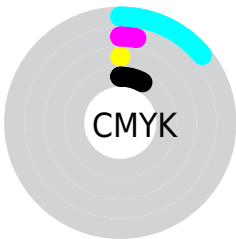
Distribution



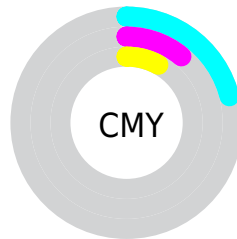
- Red (79%)
- Green (89%)
- Blue (92%)



- Red (79%)
- Yellow (85%)
- Blue (92%)



- Cyan (14%)
- Magenta (3%)
- Yellow (0%)
- Black (8%)



- Cyan (21%)
- Magenta (11%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.8216, 73.4929, 89.2609 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 66.8216, 73.4929, 89.2609 by changing the saturation by 10% instead.

■ 66.8216, 73.4929,
89.2609

■ 66.8216, 73.4929,
89.2609

438.7520,
472.7213, 546.1316

■ 49.2098, 54.3791,
66.7975

113.7160,
124.1767, 148.2379

■ 35.0012, 38.9048,
48.4596

143.7292,
156.5155, 185.5885

■ 23.8303, 26.6857,
33.8284

178.6071,
194.0314, 228.7388

■ 15.3318, 17.3373,
22.4855

218.7148,
237.1088, 278.1070

■ 9.1404, 10.4753,
14.0124

264.4178,
286.1321, 334.1119

■ 4.8907, 5.7152,
7.9904

316.0814,

■ 2.2174, 2.6727,

341.4857, 397.1719

4.0011

374.0710,
403.5540, 467.7056

■ 0.7519, 0.9633,
1.6260

■ 0.0000, 0.0000,
0.3092

■ 66.8216, 73.4929,
89.2609

■ 66.8216, 73.4929,
89.2609

■ 59.4096, 67.3996,
88.4766

■ 75.2577, 80.1945,
90.1110

■ 52.9710, 61.8819,
87.7509

■ 84.7529, 87.5174,
91.0240

■ 47.4606, 56.9178,
87.0832

■ 88.6131, 92.0132,
91.6883

■ 42.8268, 52.4798,
86.4708

■ 90.3540, 95.4951,
92.2686

■ 39.0126, 48.5378,
85.9109

■ 91.9956, 98.7782,
92.8158

■ 35.9540, 45.0582,
85.4005

■ 33.5771, 42.0018,
84.9359

■ 31.7917, 39.3216,
84.5126

■ 30.9269, 37.8607,
84.2762

Harmonies

Analogous

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



65.7184, 73.4929, 83.3743



66.8216, 73.4929, 89.2609



68.7494, 73.4929, 92.7602

Triad

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



66.8216, 73.4929, 89.2609



74.1697, 73.4929, 83.2404



68.7044, 73.4929, 68.5370

Complementary

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



66.8216, 73.4929, 89.2609



67.9687, 68.0194, 65.4252

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.



70.9680, 73.4929, 68.5055



66.8216, 73.4929, 89.2609



74.1570, 73.4929, 76.7594

Square

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



66.8216, 73.4929, 89.2609



73.0086, 73.4929, 89.1583



72.9743, 73.4929, 71.4423



66.7893, 73.4929, 71.5308

Rectangle

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



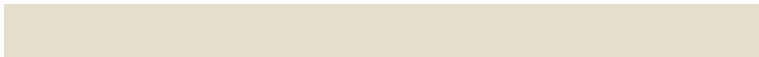
66.8216, 73.4929, 89.2609



70.2582, 73.4929, 93.1534



72.9743, 73.4929, 71.4423



69.4489, 73.4929, 68.1852

Sweetspot

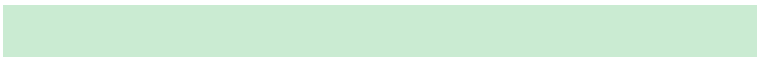
The Sweet Spot groups the original color and five complimentary colors.



66.8237, 73.4960, 89.2625



90.6130, 96.5496, 108.4679



65.6622, 76.6127, 72.1053



19.2213, 20.5296, 23.1995



0.0000, 0.0000, 0.0000



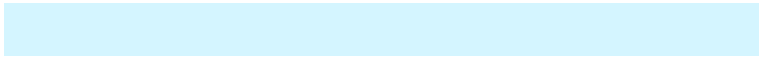
20.3446, 21.4041, 23.3091

Same Dimension

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



66.8237, 73.4960, 89.2625



77.6005, 86.1649, 107.1492



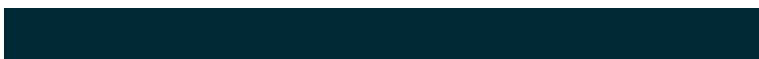
62.5984, 65.0453, 87.8541



15.1905, 16.4674, 19.3002



17.3164, 21.2799, 46.9377



1.4336, 1.8187, 3.7104

Inverse Universe

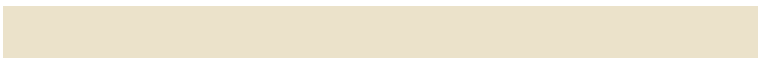
The Inverse Universe completely reimagines the original color for something new.



69.2483, 65.4508, 81.6601



81.1005, 74.7339, 96.1333



72.1736, 76.4293, 66.8268



15.5497, 15.2477, 18.1800



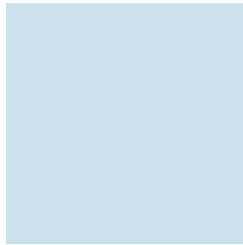
23.5958, 11.6410, 24.7368



1.8901, 0.9290, 2.1387

Previews

White Background



This preview shows how the XYZ color 66.8216, 73.4929, 89.2609 looks on a white background.

Color Contrast Check

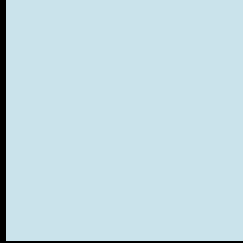
Large Text (above 18pt) WCAG AA × Fail

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 66.8216, 73.4929, 89.2609 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

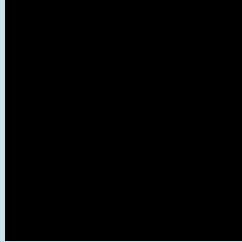
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.8216, 73.4929, 89.2609

Background



This preview shows how black text looks on a background with the XYZ color 66.8216, 73.4929, 89.2609.

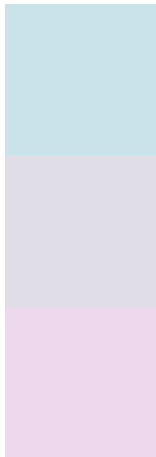


This preview shows how white text looks on a background with the XYZ color 66.8216, 73.4929,

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

66.8216, 73.4929, 89.2609

Protanopia

71.0207, 73.3297, 86.0122

Deuteranopia

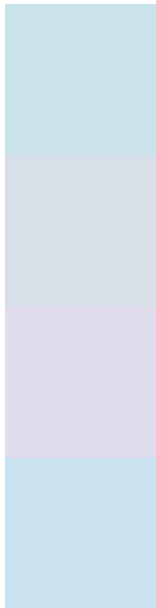
74.7670, 73.2307, 90.3151



Tritanopia

68.4273, 73.7617, 96.2189

Trichromacy



Original Color

66.8216, 73.4929, 89.2609

Protanomaly

69.2721, 73.2005, 86.8220

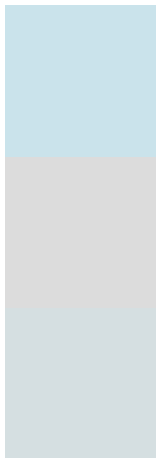
Deuteranomaly

71.4740, 73.0898, 89.6975

Tritanomaly

67.7021, 73.4401, 93.8262

Monochromacy



Original Color

66.8216, 73.4929, 89.2609

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

67.4189, 72.3577, 81.6472

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.8216, 73.4929, 89.2609 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(202, 227, 235)` looks like.

```
.text, #text, p{  
    color:rgb(202, 227, 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(202, 227, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 227, 235) }
```

Border

The CSS property to change the border of an element to XYZ 66.8216, 73.4929, 89.2609 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(202, 227, 235) }
```


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

```
.border{ border-color:rgb(202, 227, 235) }
```

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

Here you see how a box with a 4 pixel rgb(202, 227, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 227, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 227, 235);  
box-shadow:4px 4px 4px 4px rgb(202, 227,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 66.8216, 73.4929, 89.2609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 227, 235) }
```

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

```
.background{ background-color: rgb(202,  
227, 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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