

Converting Colors

XYZ(66.9746, 72.7835, 89.4576)

Have a look what the booklet for
XYZ(66.9746, 72.7835, 89.4576)
contains.

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Color

**XYZ(66.8224, 72.6860,
89.1051)**

Conversions

Conversions Part 1

Format	Color
Hex	CCE1EB
RGB	204, 225, 235
RGB Percent	80%, 88%, 92%
CMY	0.2000, 0.1176, 0.0784
CMYK	0.13, 0.04, 0.00, 0.08
HSL	199°, 44%, 86%
HSV	199°, 13%, 92%
XYZ	66.8224, 72.6860, 89.1051
YIQ	219.8610, -15.7260, -1.3420

Conversions

Conversions Part 2

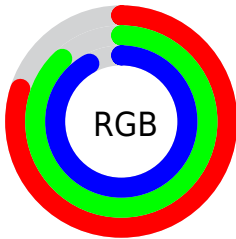
Format	Color
RYB	204, 217, 235
Decimal	13427179
CIELab	88.30, -4.96, -7.25
CIELCh	88, 8.786, 235.597
Yxy	72.6860, 0.2923, 0.3179
Android (android.graphics.Color)	4291617259 (0xFFCCE1EB)
YUV	219.8610, 7.4635, -13.9101
Hunter-Lab	85.2561, -9.2926, -2.2875

Details

The XYZ color **66.8224, 72.6860, 89.1051** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.2069, 70.1144, 67.0137**, and the grayscale version is **67.8898, 71.4253, 77.7822**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.0891, 38.4882, 48.2274** is the 20% darker color. If you saturate the color by 10%, you get **58.8581, 65.6080, 88.1598**, and if you desaturate by 10%, it is **75.8538, 80.4529, 90.1294**.

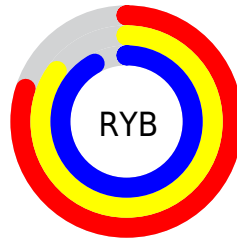
Distribution



Red (80%)

Green (88%)

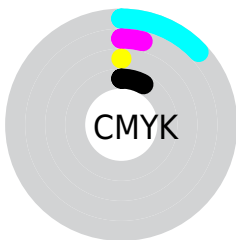
Blue (92%)



Red (80%)

Yellow (85%)

Blue (92%)

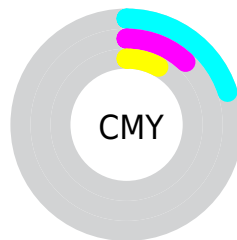


Cyan (13%)

Magenta (4%)

Yellow (0%)

Black (8%)



Cyan (20%)

Magenta (12%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.8224, 72.6860, 89.1051 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 66.8224, 72.6860, 89.1051 by changing the saturation by 10% instead.

■ 66.8224, 72.6860,
89.1051

■ 66.8224, 72.6860,
89.1051

438.7548,
469.9258, 545.6103

■ 49.2105, 53.7192,
66.6691

113.7171,
123.0313, 148.0193

■ 35.0017, 38.3773,
48.3559

143.7306,
155.1787, 185.3347

■ 23.8307, 26.2756,
33.7468

178.6086,
192.4884, 228.4470

■ 15.3321, 17.0299,
22.4234

218.7166,
235.3449, 277.7746

■ 9.1406, 10.2558,
13.9670

264.4198,
284.1324, 333.7362

■ 4.8909, 5.5689,
7.9593

316.0837,

■ 2.2175, 2.5848,

339.2355, 396.7504

3.9815

374.0736,
401.0385, 467.2355

■ 0.7519, 0.9190,
1.6152

■ 0.0000, 0.0000,
0.3016

■ 66.8224, 72.6860,
89.1051

■ 66.8224, 72.6860,
89.1051

■ 58.8581, 65.6080,
88.1598

■ 75.8538, 80.4529,
90.1294

■ 51.9098, 59.1851,
87.2863

■ 85.9876, 88.9230,
91.2302

■ 45.9320, 53.3940,
86.4836

■ 89.7229, 94.2328,
92.0582

■ 40.8725, 48.2060,
85.7488

■ 91.9956, 98.7782,
92.8158

■ 36.6743, 43.5899,
85.0791

■ 33.2734, 39.5108,
84.4710

■ 30.5960, 35.9287,
83.9207

■ 28.5530, 32.7957,
83.4237

■ 27.4318, 30.8705,
83.1112

Harmonies

Analogous

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



65.4968, 72.6860, 84.2610



66.8224, 72.6860, 89.1051



68.7753, 72.6860, 91.2816

Triad

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



66.8224, 72.6860, 89.1051



73.2037, 72.6860, 80.0367



67.3506, 72.6860, 69.1349

Complementary

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



66.8224, 72.6860, 89.1051



69.2069, 70.1144, 67.0137

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.



69.3973, 72.6860, 68.1307



66.8224, 72.6860, 89.1051



72.8037, 72.6860, 74.2359

Square

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



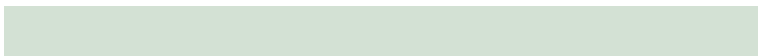
66.8224, 72.6860, 89.1051



72.4821, 72.6860, 85.8798



71.3999, 72.6860, 69.9520



65.7974, 72.6860, 72.7675

Rectangle

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



66.8224, 72.6860, 89.1051



70.1806, 72.6860, 90.8502



71.3999, 72.6860, 69.9520



68.0025, 72.6860, 68.4869

Sweetspot

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



66.8245, 72.6890, 89.1067



90.3561, 96.0358, 108.3822



66.7255, 77.1009, 74.8619



19.1561, 20.3993, 23.1778



0.0000, 0.0000, 0.0000



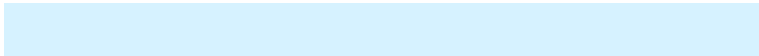
20.3446, 21.4041, 23.3091

Same Dimension

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



66.8245, 72.6890, 89.1067



77.5455, 84.9573, 106.9190



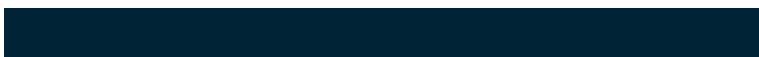
62.8669, 64.7737, 87.7875



15.0845, 16.2554, 19.2648



15.3873, 17.4217, 46.2947



1.2948, 1.5410, 3.6641

Inverse Universe

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



69.4460, 66.2855, 80.3720



81.3407, 75.8558, 94.2356



73.2682, 78.2370, 68.3675



15.4962, 15.2263, 17.8982



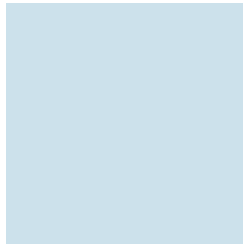
22.6221, 11.2515, 19.6092



1.8200, 0.9010, 1.7697

Previews

White Background



This preview shows how the XYZ color 66.8224, 72.6860, 89.1051 looks on a white background.

Color Contrast Check

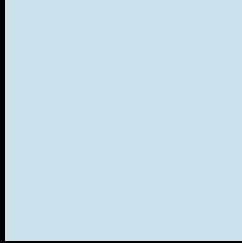
Large Text (above 18pt) WCAG AA × Fail

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 66.8224, 72.6860, 89.1051 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

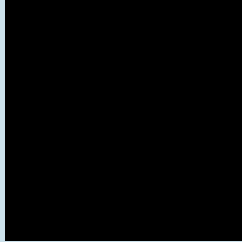
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

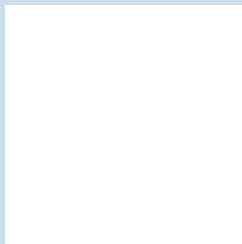
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.8224, 72.6860, 89.1051

Background



This preview shows how black text looks on a background with the XYZ color 66.8224, 72.6860, 89.1051.

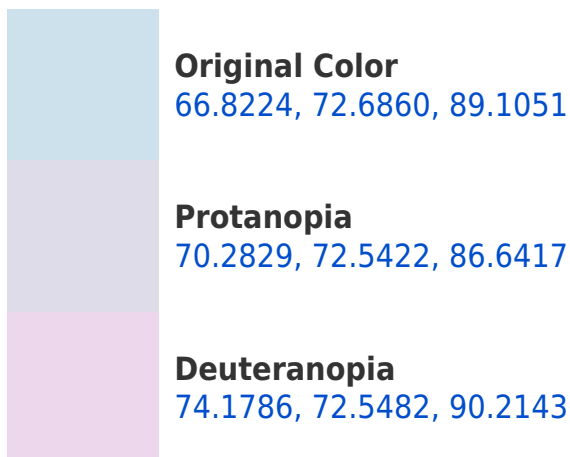


This preview shows how white text looks on a background with the XYZ color 66.8224, 72.6860,

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

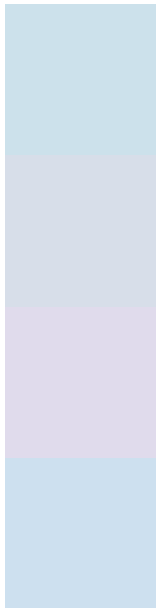




Tritanopia

67.8595, 72.7012, 94.4606

Trichromacy



Original Color

66.8224, 72.6860, 89.1051

Protanomaly

68.8536, 72.5728, 87.4698

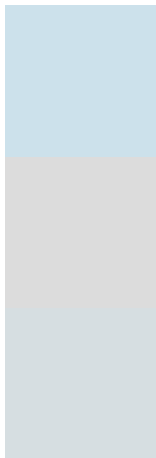
Deuteranomaly

71.2123, 72.5665, 89.6103

Tritanomaly

67.4125, 72.5224, 92.1066

Monochromacy



Original Color

66.8224, 72.6860, 89.1051

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

67.4434, 71.9749, 81.5721

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.8224, 72.6860, 89.1051 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(204, 225, 235)` looks like.

```
.text, #text, p{  
    color:rgb(204, 225, 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(204, 225, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 225, 235) }
```

Border

The CSS property to change the border of an element to XYZ 66.8224, 72.6860, 89.1051 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(204, 225, 235) }
```


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

```
.border{ border-color:rgb(204, 225, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 225, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 225, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 225, 235);  
box-shadow:4px 4px 4px 4px rgb(204, 225,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 66.8224, 72.6860, 89.1051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 225, 235) }
```

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

```
.background{ background-color: rgb(204,  
225, 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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