

Converting Colors

XYZ(66.6527, 74.5261, 85.0303)

Have a look what the booklet for
XYZ(66.6527, 74.5261, 85.0303)
contains.

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Color

**XYZ(66.7968, 74.8073,
85.0474)**

Conversions

Conversions Part 1

Format	Color
Hex	CAE6E5
RGB	202, 230, 229
RGB Percent	79%, 90%, 90%
CMY	0.2078, 0.0980, 0.1020
CMYK	0.12, 0.00, 0.00, 0.10
HSL	178°, 36%, 85%
HSV	178°, 12%, 90%
XYZ	66.7968, 74.8073, 85.0474
YIQ	221.5140, -16.3670, -6.2470

Conversions

Conversions Part 2

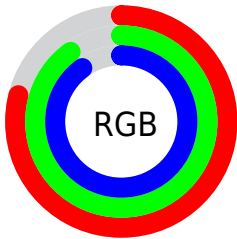
Format	Color
R _Y B	202, 216, 230
Decimal	13297381
CIE Lab	89.30, -9.35, -2.63
CIE LCh	89, 9.716, 195.722
Yxy	74.8073, 0.2947, 0.3301
Android (android.graphics.Color)	4291487461 (0xFFCAE6E5)
YUV	221.5140, 3.6906, -17.1138
Hunter-Lab	86.4912, -13.5048, 2.2436

Details

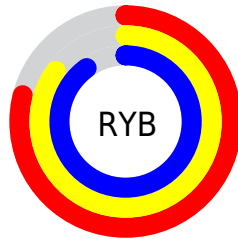
The XYZ color **66.7968, 74.8073, 85.0474** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.5359, 63.3779, 65.3351**, and the grayscale version is **69.0734, 72.6706, 79.1382**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.9888, 39.6240, 45.8485** is the 20% darker color. If you saturate the color by 10%, you get **60.9172, 71.7915, 84.1745**, and if you desaturate by 10%, it is **73.6088, 78.3077, 85.9699**.

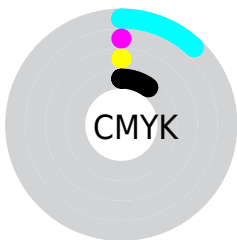
Distribution



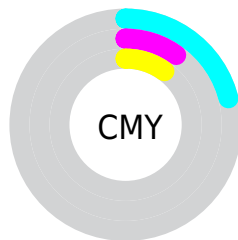
- Red (79%)
- Green (90%)
- Blue (90%)



- Red (79%)
- Yellow (85%)
- Blue (90%)



- Cyan (12%)
- Magenta (0%)
- Yellow (0%)
- Black (10%)



- Cyan (21%)
- Magenta (10%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.7968, 74.8073, 85.0474 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 66.7968, 74.8073, 85.0474 by changing the saturation by 10% instead.

66.7968, 74.8073,
85.0474

66.7968, 74.8073,
85.0474

438.6650,
477.2550, 531.9336

49.1896, 55.4550,
63.3302

113.6806,
126.0395, 142.3141

34.9851, 39.7662,
45.6657

143.6879,
158.6883, 178.7008

23.8178, 27.3563,
31.6353

178.5593,
196.5381, 220.8142

15.3225, 17.8410,
20.8206

218.6602,
239.9732, 269.0731

9.1339, 10.8359,
12.8030

264.3558,
289.3780, 323.8959

4.8864, 5.9566,
7.1639

316.0116,

2.2148, 2.8187,

345.1370, 385.7013

3.4848

373.9928,
407.6345, 454.9076

■ 0.7505, 1.0378,
1.3472

■ 0.0000, 0.0000,
0.1000

■ 66.7968, 74.8073,
85.0474

■ 66.7968, 74.8073,
85.0474

■ 60.9172, 71.7915,
84.1745

■ 73.6088, 78.3077,
85.9699

■ 55.9227, 69.2300,
83.3443


■ 81.3850, 82.3031,
86.9388


■ 51.7714, 67.1030,
82.5565


■ 84.0290, 83.6527,
87.6704


■ 48.4156, 65.3862,
81.8087


■ 84.1460, 83.6995,
88.2866


 45.8030, 64.0523,
81.0985


 84.2636, 83.7465,
88.9057


 43.8748, 63.0712,
80.4232


 84.3817, 83.7937,
89.5277


 42.5633, 62.4080,
79.7795

 84.5004, 83.8412,
90.1525

 41.7873, 62.0208,
79.1638

 84.6196, 83.8889,
90.7803

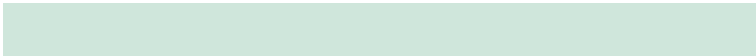
 41.4514, 61.8576,
78.6966

 84.7393, 83.9368,
91.4110

Harmonies

Analogous

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



66.7683, 74.8073, 78.2696



66.7968, 74.8073, 85.0474



67.9617, 74.8073, 91.1782

Triad

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



66.7968, 74.8073, 85.0474



74.4215, 74.8073, 90.9273



72.2342, 74.8073, 69.4254

Complementary

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



66.7968, 74.8073, 85.0474



64.5359, 63.3779, 65.3351

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.



74.3377, 74.8073, 72.4441



66.7968, 74.8073, 85.0474



75.6195, 74.8073, 84.7204

Square

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



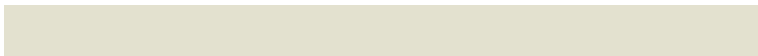
66.7968, 74.8073, 85.0474



72.3465, 74.8073, 94.6996



75.5885, 74.8073, 77.9602



69.8720, 74.8073, 69.5021

Rectangle

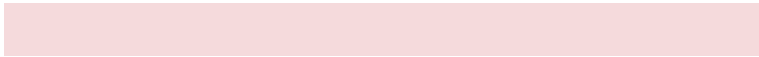
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66.7968, 74.8073, 85.0474



69.2411, 74.8073, 93.9637



75.5885, 74.8073, 77.9602



72.9961, 74.8073, 70.1042

Sweetspot

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



66.7989, 74.8104, 85.0491



91.3377, 98.0930, 108.4194



63.6974, 73.6138, 66.7301



19.4053, 20.9216, 23.1871



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.



66.7989, 74.8104, 85.0491



82.1311, 93.3655, 107.1478



63.5583, 68.1044, 84.6621



14.7840, 16.3270, 18.3931



23.4765, 35.0227, 44.6051



1.7419, 2.5909, 3.3332

Inverse Universe

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



64.5359, 63.3779, 65.3351



78.6591, 75.8252, 76.9023



67.4952, 69.4873, 65.7335



14.3978, 14.3763, 15.0293



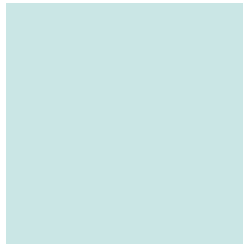
18.5101, 9.5382, 1.0491



1.3753, 0.7078, 0.1166

Previews

White Background



This preview shows how the XYZ color 66.7968, 74.8073, 85.0474 looks on a white background.

Color Contrast Check

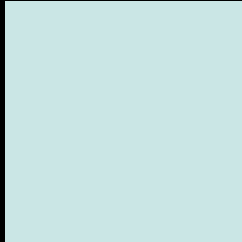
Large Text (above 18pt) WCAG AA × Fail

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 66.7968, 74.8073, 85.0474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

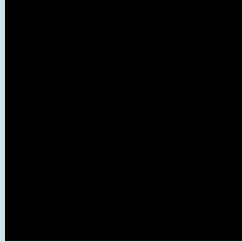
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

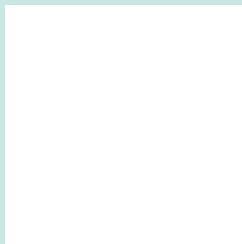
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.7968, 74.8073, 85.0474

Background



This preview shows how black text looks on a background with the XYZ color 66.7968, 74.8073, 85.0474.



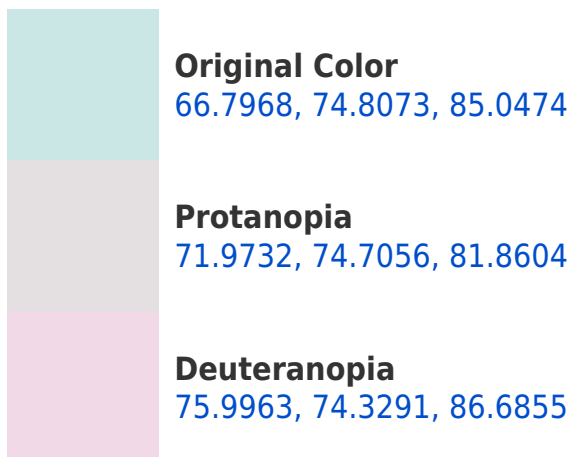
This preview shows how white text looks on a background with the XYZ color 66.7968, 74.8073,

85.0474.

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

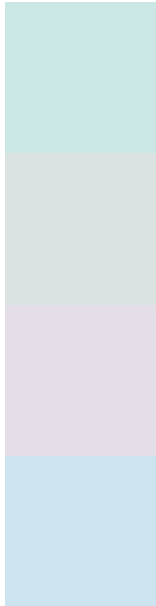




Tritanopia

69.2805, 74.5711, 97.9310

Trichromacy



Original Color

66.7968, 74.8073, 85.0474

Protanomaly

70.1372, 74.9438, 82.7205

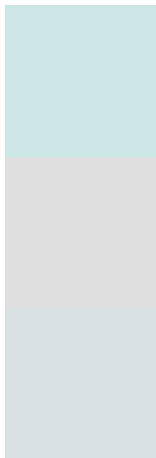
Deuteranomaly

72.2236, 74.3430, 86.1443

Tritanomaly

68.3734, 74.6154, 93.2366

Monochromacy



Original Color

66.7968, 74.8073, 85.0474

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

68.5402, 73.7337, 81.8537

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.7968, 74.8073, 85.0474 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, 230, 229)` looks like.

```
.text, #text, p{  
    color:rgb(202, 230, 229)  
}
```

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, 230, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 230, 229) }
```

Border

The CSS property to change the border of an element to XYZ 66.7968, 74.8073, 85.0474 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, 230, 229) }
```


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

```
.border{ border-color:rgb(202, 230, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 230, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 230, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 230, 229);  
box-shadow:4px 4px 4px 4px rgb(202, 230,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 66.7968, 74.8073, 85.0474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 230, 229) }
```

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

```
.background{ background-color: rgb(202,  
230, 229) }
```

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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