

Converting Colors

XYZ(67.9938, 74.7644, 84.0368)

Have a look what the booklet for
XYZ(67.9938, 74.7644, 84.0368)
contains.

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Color

**XYZ(68.0415, 74.6436,
84.2203)**

Conversions

Conversions Part 1

Format	Color
Hex	D1E4E4
RGB	209, 228, 228
RGB Percent	82%, 89%, 89%
CMY	0.1804, 0.1059, 0.1059
CMYK	0.08, 0.00, 0.00, 0.11
HSL	180°, 26%, 86%
HSV	180°, 8%, 89%
XYZ	68.0415, 74.6436, 84.2203
YIQ	222.3190, -11.3240, -4.0280

Conversions

Conversions Part 2

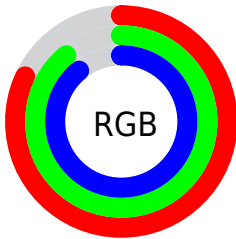
Format	Color
R _Y B	209, 219, 228
Decimal	13755620
CIE Lab	89.23, -6.28, -2.17
CIE LCh	89, 6.640, 199.039
Yxy	74.6436, 0.2999, 0.3290
Android (android.graphics.Color)	4291945700 (0xFFD1E4E4)
YUV	222.3190, 2.8007, -11.6808
Hunter-Lab	86.3965, -10.6164, 2.6810

Details

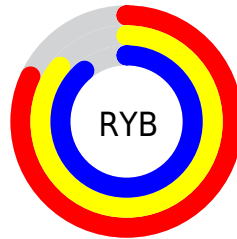
The XYZ color **68.0415, 74.6436, 84.2203** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.3067, 66.7003, 69.7048**, and the grayscale version is **69.6449, 73.2719, 79.7931**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.8128, 39.7743, 45.3248** is the 20% darker color. If you saturate the color by 10%, you get **62.0467, 71.5553, 83.9382**, and if you desaturate by 10%, it is **74.9638, 78.2141, 84.5489**.

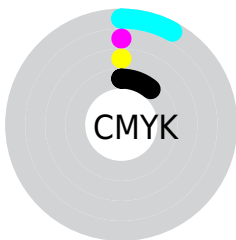
Distribution



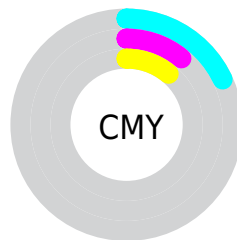
- Red (82%)
- Green (89%)
- Blue (89%)



- Red (82%)
- Yellow (86%)
- Blue (89%)



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



- Cyan (18%)
- Magenta (11%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.0415, 74.6436, 84.2203 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 68.0415, 74.6436, 84.2203 by changing the saturation by 10% instead.

■ 68.0415, 74.6436,
84.2203

■ 68.0415, 74.6436,
84.2203

443.0175,
476.6917, 529.1217

■ 50.2053, 55.3210,
62.6509

115.4531,
125.8077, 141.1478

■ 35.7950, 39.6588,
45.1197

145.7592,
158.4180, 177.3429

■ 24.4453, 27.2726,
31.2081

180.9526,
196.2263, 219.2504

■ 15.7908, 17.7780,
20.4975

221.3988,
239.6170, 267.2888

■ 9.4661, 10.7908,
12.5696

267.4630,
288.9745, 321.8765

■ 5.1060, 5.9263,
7.0056

319.5106,

■ 2.3450, 2.8003,

344.6832, 383.4322

3.3871

377.9070,
407.1274, 452.3744

■ 0.8175, 1.0284,
1.2955

■ 0.0000, 0.0000,
0.0581

■ 68.0415, 74.6436,
84.2203

■ 68.0415, 74.6436,
84.2203

■ 62.0467, 71.5553,
83.9382

■ 74.9638, 78.2141,
84.5489

■ 56.9339, 68.9196,
83.6959

■ 82.8438, 82.2764,
84.9207

■ 52.6635, 66.7182,
83.4929

■ 82.9904, 82.3519,
84.9307

■ 49.1903, 64.9278,
83.3273

■ 82.9910, 82.3521,
84.9338

46.4649, 63.5228,
83.1967

82.9916, 82.3524,
84.9369

44.4324, 62.4751,
83.0985

82.9922, 82.3526,
84.9400

43.0304, 61.7524,
83.0298

82.9928, 82.3528,
84.9431

42.1854, 61.3169,
82.9872

82.9934, 82.3531,
84.9462

41.7909, 61.1136,
82.9656

82.9940, 82.3533,
84.9493

Harmonies

Analogous

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



67.9311, 74.6436, 79.5892



68.0415, 74.6436, 84.2203



68.9234, 74.6436, 88.2013

Triad

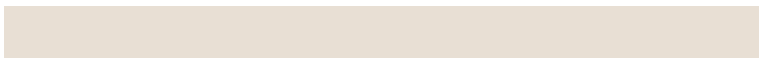
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.0415, 74.6436, 84.2203



73.3257, 74.6436, 87.2658



71.5406, 74.6436, 72.8239

Complementary

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



68.0415, 74.6436, 84.2203



66.3067, 66.7003, 69.7048

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.



73.0089, 74.6436, 74.7196



68.0415, 74.6436, 84.2203



74.0499, 74.6436, 82.9828

Square

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



68.0415, 74.6436, 84.2203



71.9679, 74.6436, 90.0053



73.9330, 74.6436, 78.3976



69.9348, 74.6436, 73.1268

Rectangle

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



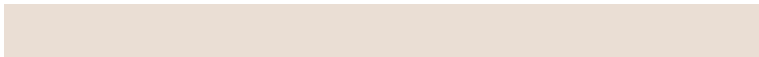
68.0415, 74.6436, 84.2203



69.8376, 74.6436, 89.8958



73.9330, 74.6436, 78.3976



72.0670, 74.6436, 73.2222

Sweetspot

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



68.0436, 74.6467, 84.2220



92.2911, 98.5778, 108.7697



65.6384, 73.6950, 71.0878



19.6003, 21.0204, 23.2739



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.



68.0436, 74.6467, 84.2220



86.2821, 95.4801, 108.4857



65.5839, 69.7266, 83.4045



14.8074, 16.3364, 18.5165



24.1029, 35.2733, 47.9037



1.7812, 2.6066, 3.5401

Inverse Universe

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



66.3067, 66.7003, 69.7048



83.6113, 83.2611, 86.1630



68.6253, 71.3381, 70.4754



14.3772, 14.3681, 14.9206



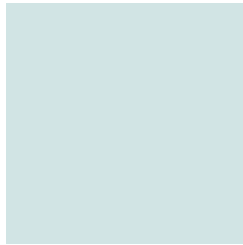
18.4752, 9.5243, 0.8656



1.3653, 0.7038, 0.0642

Previews

White Background



This preview shows how the XYZ color 68.0415, 74.6436, 84.2203 looks on a white background.

Color Contrast Check

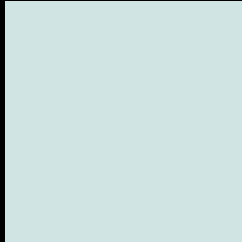
Large Text (above 18pt) WCAG AA × Fail

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 68.0415, 74.6436, 84.2203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

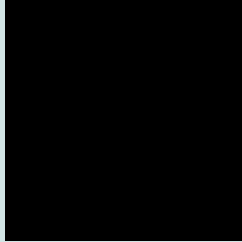
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

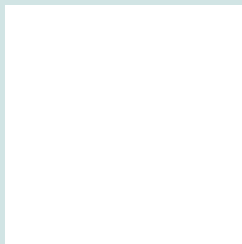
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.0415, 74.6436, 84.2203

Background



This preview shows how black text looks on a background with the XYZ color 68.0415, 74.6436, 84.2203.

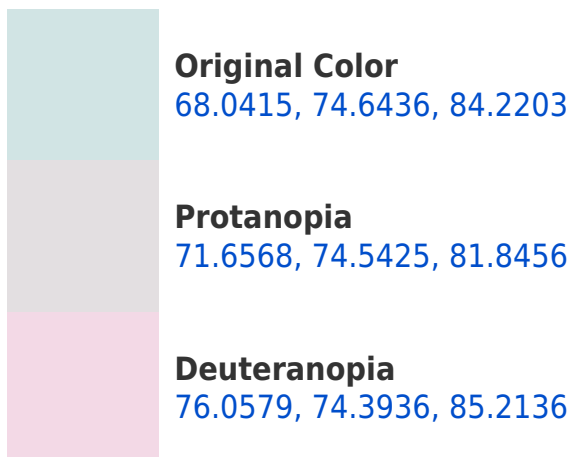


This preview shows how white text looks on a background with the XYZ color 68.0415, 74.6436,

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

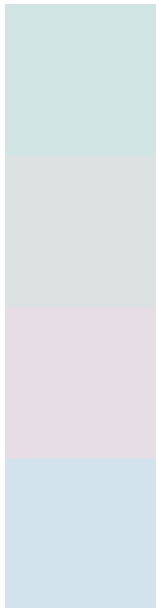




Tritanopia

70.6769, 74.9214, 96.3242

Trichromacy



Original Color

68.0415, 74.6436, 84.2203

Protanomaly

70.1679, 74.5571, 82.6442

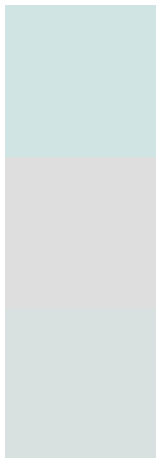
Deuteranomaly

72.9543, 74.3590, 84.6364

Tritanomaly

69.7657, 74.9601, 91.6806

Monochromacy



Original Color

68.0415, 74.6436, 84.2203

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

68.7255, 73.4448, 81.0751

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.0415, 74.6436, 84.2203 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(209, 228, 228) looks like.

```
.text, #text, p{  
    color:rgb(209, 228, 228)  
}
```

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(209, 228, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 228, 228) }
```

Border

The CSS property to change the border of an element to XYZ 68.0415, 74.6436, 84.2203 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(209, 228, 228) }
```


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

```
.border{ border-color:rgb(209, 228, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 228, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 228, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 228, 228);  
box-shadow:4px 4px 4px 4px rgb(209, 228,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 68.0415, 74.6436, 84.2203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 228, 228) }
```

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

```
.background{ background-color: rgb(209,  
228, 228) }
```

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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