

Converting Colors

XYZ(64.5271, 74.1235, 80.8970)

Have a look what the booklet for
XYZ(64.5271, 74.1235, 80.8970)
contains.

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Color

**XYZ(64.4009, 74.0816,
80.7169)**

Conversions

Conversions Part 1

Format	Color
Hex	C3E7DF
RGB	195, 231, 223
RGB Percent	76%, 91%, 87%
CMY	0.2353, 0.0941, 0.1255
CMYK	0.16, 0.00, 0.03, 0.09
HSL	167°, 43%, 84%
HSV	167°, 16%, 91%
XYZ	64.4009, 74.0816, 80.7169
YIQ	219.3240, -18.8880, -10.1200

Conversions

Conversions Part 2

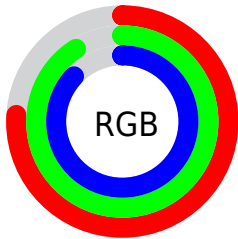
Format	Color
R_{YB}	195, 215, 231
Decimal	12838879
CIE _{Lab}	88.96, -13.26, -0.04
CIE _{LCh}	89, 13.260, 180.176
Yxy	74.0816, 0.2938, 0.3380
Android (android.graphics.Color)	4291028959 (0xFFC3E7DF)
YUV	219.3240, 1.8123, -21.3321
Hunter-Lab	86.0707, -17.0641, 4.6474

Details

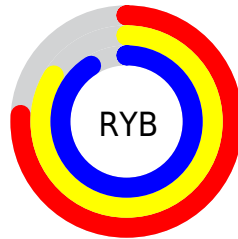
The XYZ color **64.4009, 74.0816, 80.7169** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.2523, 60.3330, 64.8150**, and the grayscale version is **67.5558, 71.0739, 77.3995**.

A 20% lighter version of the original color is **93.9549, 99.4354, 108.8487**, and **33.3824, 39.1498, 42.8430** is the 20% darker color. If you saturate the color by 10%, you get **58.2064, 70.9690, 76.8687**, and if you desaturate by 10%, it is **71.5440, 77.6848, 84.7222**.

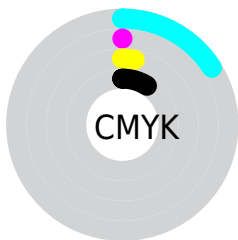
Distribution



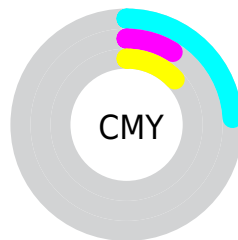
- Red (76%)
- Green (91%)
- Blue (87%)



- Red (76%)
- Yellow (84%)
- Blue (91%)



- Cyan (16%)
- Magenta (0%)
- Yellow (3%)
- Black (9%)



- Cyan (24%)
- Magenta (9%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.4009, 74.0816, 80.7169 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 64.4009, 74.0816, 80.7169 by changing the saturation by 10% instead.

64.4009, 74.0816,
80.7169

64.4009, 74.0816,
80.7169

430.2152,
474.7550, 517.1159

47.2383, 54.8608,
59.7788

110.2586,
125.0115, 136.1937

33.4329, 39.2903,
42.8163

139.6845,
157.4894, 171.5695

22.6191, 26.9856,
29.4106

173.9288,
195.1551, 212.5949

14.4316, 17.5624,
19.1434

213.3570,
238.3930, 259.6886

8.5052, 10.6363,
11.5961

258.3344,
287.5876, 313.2689

4.4744, 5.8228,
6.3501

309.2263,

1.9738, 2.7377,

343.1232, 373.7546

2.9869

366.3982,
405.3842, 441.5641

■ 0.6192, 0.9964,
1.0880

■ 0.0000, 0.0000,
0.0000

■ 64.4009, 74.0816,
80.7169

■ 64.4009, 74.0816,
80.7169

■ 58.2064, 70.9690,
76.8687

■ 71.5440, 77.6848,
84.7222

■ 52.9116, 68.3158,
73.1697

■ 79.6691, 81.7898,
88.8825

■ 48.4729, 66.1016,
69.6185

■ 85.3097, 84.6115,
93.0380

■ 44.8404, 64.3006,
66.2118

■ 86.0769, 84.9183,
97.0779

■ 41.9589, 62.8845,
62.9459

■ 86.8658, 85.2339,
101.2322

■ 39.7662, 61.8210,
59.8170

■ 87.6766, 85.5582,
105.5016

■ 38.1897, 61.0730,
56.8206

■ 87.8672, 85.6345,
106.5057

■ 37.1402, 60.5944,
53.9515

■ 36.7802, 60.4357,
52.7221

Harmonies

Analogous

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



65.1766, 74.0816, 72.1616



64.4009, 74.0816, 80.7169



65.1947, 74.0816, 89.9073

Triad

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



64.4009, 74.0816, 80.7169



73.5705, 74.0816, 96.9818



73.5365, 74.0816, 66.2367

Complementary

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



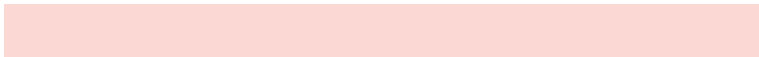
64.4009, 74.0816, 80.7169



63.2523, 60.3330, 64.8150

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.



75.9012, 74.0816, 72.0738



64.4009, 74.0816, 80.7169



75.9213, 74.0816, 89.8057

Square

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



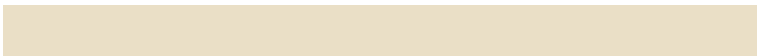
64.4009, 74.0816, 80.7169



70.4314, 74.0816, 99.7241



76.7867, 74.0816, 80.6077



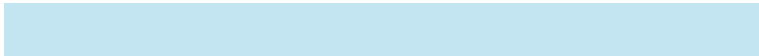
70.3933, 74.0816, 64.1988

Rectangle

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



64.4009, 74.0816, 80.7169



66.5213, 74.0816, 95.0608



76.7867, 74.0816, 80.6077



74.4522, 74.0816, 67.7965

Sweetspot

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



64.4030, 74.0847, 80.7186



90.0608, 97.4803, 106.3021



63.1663, 73.8479, 62.5560



19.1320, 20.7918, 22.6757



0.0000, 0.0000, 0.0000



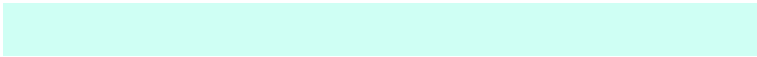
20.3446, 21.4041, 23.3091

Same Dimension

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



64.4030, 74.0847, 80.7186



77.7306, 91.2663, 99.2904



62.8940, 69.2987, 85.6659



14.6631, 16.2787, 17.7567



20.6672, 33.8990, 29.8113



1.5611, 2.5186, 2.3814

Inverse Universe

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



63.2523, 60.3330, 64.8150



76.0100, 70.6943, 75.5034



64.5436, 64.4029, 60.6603



14.5075, 14.4202, 15.6070



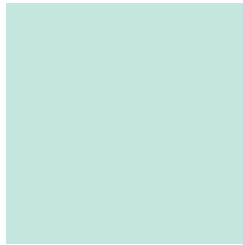
18.8526, 9.6753, 2.8529



1.4276, 0.7288, 0.3924

Previews

White Background



This preview shows how the XYZ color 64.4009, 74.0816, 80.7169 looks on a white background.

Color Contrast Check

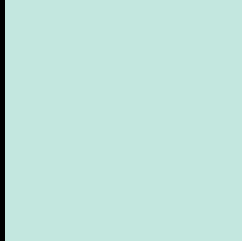
Large Text (above 18pt) WCAG AA × Fail

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 64.4009, 74.0816, 80.7169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

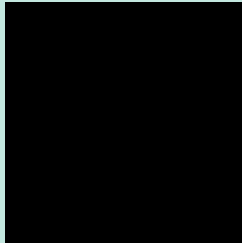
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

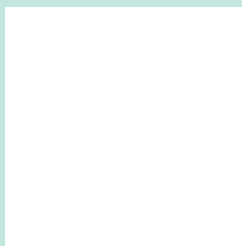
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.4009, 74.0816, 80.7169

Background



This preview shows how black text looks on a background with the XYZ color 64.4009, 74.0816, 80.7169.



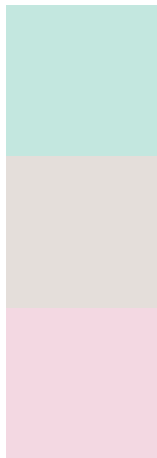
This preview shows how white text looks on a background with the XYZ color 64.4009, 74.0816,

80.7169.

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

64.4009, 74.0816, 80.7169

Protanopia

70.7711, 73.7985, 76.8442

Deuteranopia

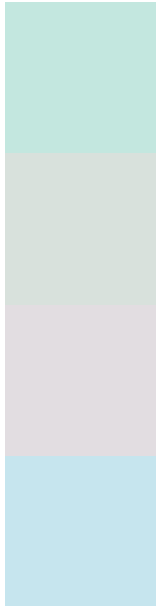
75.2455, 73.6574, 82.2029



Tritanopia

67.9311, 74.2827, 97.9464

Trichromacy



Original Color

64.4009, 74.0816, 80.7169

Protanomaly

68.1624, 73.6167, 78.3270

Deuteranomaly

70.8111, 73.3179, 81.6538

Tritanomaly

66.7406, 74.2174, 91.6967

Monochromacy



Original Color

64.4009, 74.0816, 80.7169

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

65.8843, 71.6443, 78.0664

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.4009, 74.0816, 80.7169 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(195, 231, 223)` looks like.

```
.text, #text, p{  
    color:rgb(195, 231, 223)  
}
```

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(195, 231, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 231, 223) }
```

Border

The CSS property to change the border of an element to XYZ 64.4009, 74.0816, 80.7169 is called "border". The border property can be set on classes, ids or directly on the HTML element.

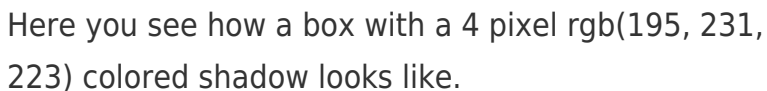
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(195, 231, 223) }
```


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

```
.border{ border-color:rgb(195, 231, 223) }
```

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



Here you see how a box with a 4 pixel `rgb(195, 231, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(195, 231, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(195, 231, 223); box-shadow:4px 4px 4px 4px rgb(195, 231, 223) }
```

Background

The CSS property to change the background color of an element to XYZ 64.4009, 74.0816, 80.7169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 231, 223) }
```

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

```
.background{ background-color: rgb(195,  
231, 223) }
```

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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