

Converting Colors

XYZ(64.2693, 71.4080, 76.4512)

Have a look what the booklet for
XYZ(64.2693, 71.4080, 76.4512)
contains.

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Color

**XYZ(64.2124, 71.2106,
76.6903)**

Conversions

Conversions Part 1

Format	Color
Hex	CCE0DA
RGB	204, 224, 218
RGB Percent	80%, 88%, 85%
CMY	0.2000, 0.1215, 0.1451
CMYK	0.09, 0.00, 0.03, 0.12
HSL	162°, 24%, 84%
HSV	162°, 9%, 88%
XYZ	64.2124, 71.2106, 76.6903
YIQ	217.3360, -9.9940, -6.1060

Conversions

Conversions Part 2

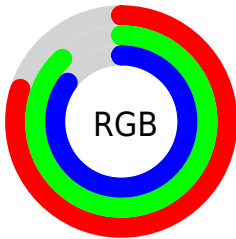
Format	Color
R_{YB}	204, 216, 224
Decimal	13426906
CIE Lab	87.59, -7.77, 0.65
CIE LCh	88, 7.794, 175.202
Yxy	71.2106, 0.3027, 0.3357
Android (android.graphics.Color)	4291616986 (0xFFCCE0DA)
YUV	217.3360, 0.3274, -11.6957
Hunter-Lab	84.3864, -11.8496, 5.1877

Details

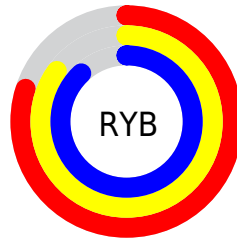
The XYZ color **64.2124, 71.2106, 76.6903** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.9688, 63.6881, 69.8977**, and the grayscale version is **66.1882, 69.6351, 75.8327**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.3765, 37.5043, 40.1303** is the 20% darker color. If you saturate the color by 10%, you get **57.6472, 67.9277, 71.8844**, and if you desaturate by 10%, it is **71.7004, 74.9690, 81.7287**.

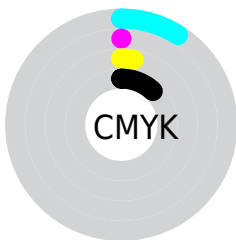
Distribution



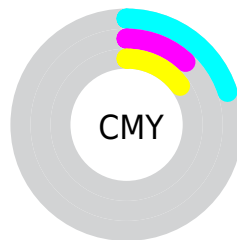
- Red (80%)
- Green (88%)
- Blue (85%)



- Red (80%)
- Yellow (85%)
- Blue (88%)



- Cyan (9%)
- Magenta (0%)
- Yellow (3%)
- Black (12%)



- Cyan (20%)
- Magenta (12%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.2124, 71.2106, 76.6903 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 64.2124, 71.2106, 76.6903 by changing the saturation by 10% instead.

■ 64.2124, 71.2106,
76.6903

■ 64.2124, 71.2106,
76.6903

429.5463,
464.7893, 503.1170

■ 47.0850, 52.5141,
56.4887

109.9888,
120.9335, 130.4712

■ 33.3111, 37.4150,
40.1882

139.3686,
152.7288, 164.8876

■ 22.5253, 25.5290,
27.3704

173.5632,
189.6590, 204.8794

■ 14.3621, 16.4716,
17.6167

212.9380,
232.1086, 250.8650

■ 8.4563, 9.8585,
10.5086

257.8583,
280.4621, 303.2630

■ 4.4426, 5.3052,
5.6275

308.6896,

■ 1.9554, 2.4274,

335.1038, 362.4920

2.5548

365.7972,
396.4180, 428.9705

■ 0.6087, 0.8400,
0.8690

■ 0.0000, 0.0000,
0.0000

■ 64.2124, 71.2106,
76.6903

■ 64.2124, 71.2106,
76.6903

■ 57.6472, 67.9277,
71.8844

■ 71.7004, 74.9690,
81.7287

■ 51.9608, 65.0918,
67.3022

■ 80.1407, 79.2123,
86.9986

■ 47.1146, 62.6850,
62.9413

■ 83.3546, 80.7570,
92.2145

■ 43.0646, 60.6847,
58.7973

■ 84.3621, 81.1600,
97.5197

■ 39.7629, 59.0662,
54.8657

■ 85.4068, 81.5779,
103.0213

■ 37.1561, 57.8020,
51.1416

■ 85.9470, 81.7939,
105.8657

■ 35.1835, 56.8610,
47.6197

■ 33.7735, 56.2063,
44.2944

■ 32.8152, 55.7807,
41.1578

Harmonies

Analogous

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



64.8143, 71.2106, 71.8860



64.2124, 71.2106, 76.6903



64.5267, 71.2106, 81.9398

Triad

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



64.2124, 71.2106, 76.6903



69.2042, 71.2106, 87.0890



69.7266, 71.2106, 69.4952

Complementary

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



64.2124, 71.2106, 76.6903



63.9688, 63.6881, 69.8977

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.



70.9417, 71.2106, 73.2933



64.2124, 71.2106, 76.6903



70.6362, 71.2106, 83.4750

Square

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



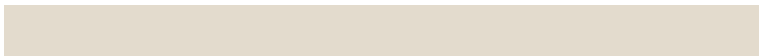
64.2124, 71.2106, 76.6903



67.3875, 71.2106, 88.0986



71.2776, 71.2106, 78.3884



67.9804, 71.2106, 67.8538

Rectangle

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



64.2124, 71.2106, 76.6903



65.2166, 71.2106, 84.9652



71.2776, 71.2106, 78.3884



70.2120, 71.2106, 70.5534

Sweetspot

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



64.2144, 71.2136, 76.6919



91.9238, 98.4309, 106.8357



64.2304, 71.4247, 67.5290



19.5008, 20.9806, 22.7502



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.



64.2144, 71.2136, 76.6919



84.1468, 94.5324, 101.4691



64.0395, 69.5836, 80.5802



13.9322, 15.4986, 16.6780



19.0997, 32.4647, 24.0457



1.3629, 2.2659, 1.8720

Inverse Universe

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



63.9688, 63.6881, 69.8977



83.7441, 82.1903, 90.3271



64.1166, 65.1584, 66.3254



13.8757, 13.7679, 15.1155



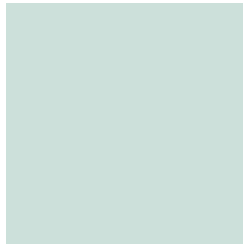
18.5313, 9.4795, 4.1979



1.3232, 0.6726, 0.4950

Previews

White Background



This preview shows how the XYZ color 64.2124, 71.2106, 76.6903 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 64.2124, 71.2106, 76.6903 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

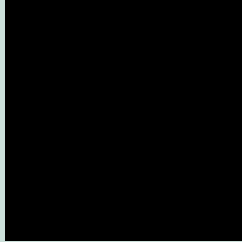
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

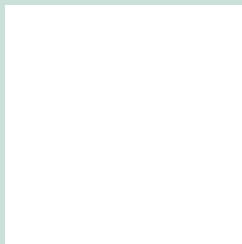
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.2124, 71.2106, 76.6903

Background



This preview shows how black text looks on a background with the XYZ color 64.2124, 71.2106, 76.6903.

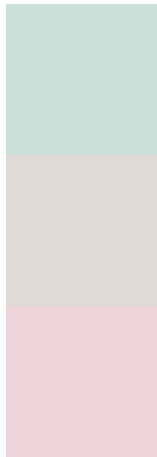


This preview shows how white text looks on a background with the XYZ color 64.2124, 71.2106,

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

64.2124, 71.2106, 76.6903

Protanopia

68.0776, 70.8964, 74.3863

Deuteranopia

72.3969, 70.7795, 77.5562



Tritanopia

67.0212, 71.1513, 91.0901

Trichromacy



Original Color

64.2124, 71.2106, 76.6903

Protanomaly

66.6031, 70.8960, 75.1397

Deuteranomaly

69.0206, 70.5571, 76.9989

Tritanomaly

65.9987, 71.1339, 85.8530

Monochromacy



Original Color

64.2124, 71.2106, 76.6903

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

65.2690, 70.1932, 75.7542

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.2124, 71.2106, 76.6903 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, 224, 218) looks like.

```
.text, #text, p{  
    color:rgb(204, 224, 218)  
}
```

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, 224, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 224, 218) }
```

Border

The CSS property to change the border of an element to XYZ 64.2124, 71.2106, 76.6903 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, 224, 218) }
```


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

```
.border{ border-color:rgb(204, 224, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 224, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 224, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 224, 218);  
box-shadow:4px 4px 4px 4px rgb(204, 224,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 64.2124, 71.2106, 76.6903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 224, 218) }
```

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

```
.background{ background-color: rgb(204,  
224, 218) }
```

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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