

Converting Colors

XYZ(64.6030, 72.1379, 80.3311)

Have a look what the booklet for
XYZ(64.6030, 72.1379, 80.3311)
contains.

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Color

**XYZ(64.6030, 72.1379,
80.3311)**

Conversions

Conversions Part 1

Format	Color
Hex	C9E2DF
RGB	201, 226, 223
RGB Percent	79%, 89%, 87%
CMY	0.2118, 0.1137, 0.1255
CMYK	0.11, 0.00, 0.01, 0.11
HSL	173°, 30%, 84%
HSV	173°, 11%, 89%
XYZ	64.6030, 72.1379, 80.3311
YIQ	218.1830, -13.9370, -6.2330

Conversions

Conversions Part 2

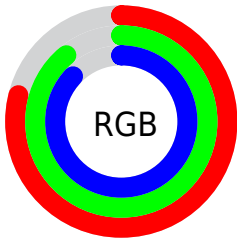
Format	Color
R_{YB}	201, 214, 226
Decimal	13230815
CIE _{Lab}	88.03, -8.81, -1.35
CIE _{LCh}	88, 8.912, 188.705
Yxy	72.1379, 0.2976, 0.3323
Android (android.graphics.Color)	4291420895 (0xFFC9E2DF)
YUV	218.1830, 2.3748, -15.0695
Hunter-Lab	84.9340, -12.8629, 3.3770

Details

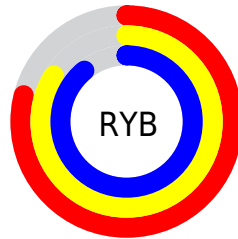
The XYZ color **64.6030, 72.1379, 80.3311** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.1523, 62.3035, 65.8272**, and the grayscale version is **66.7595, 70.2361, 76.4872**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.6634, 38.1560, 42.6364** is the 20% darker color. If you saturate the color by 10%, you get **58.6063, 69.0904, 78.1564**, and if you desaturate by 10%, it is **71.5036, 75.6546, 82.5817**.

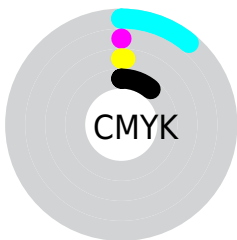
Distribution



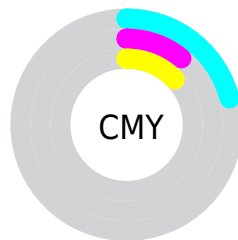
- Red (79%)
- Green (89%)
- Blue (87%)



- Red (79%)
- Yellow (84%)
- Blue (89%)



- Cyan (11%)
- Magenta (0%)
- Yellow (1%)
- Black (11%)



- Cyan (21%)
- Magenta (11%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.6030, 72.1379, 80.3311 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 64.6030, 72.1379, 80.3311 by changing the saturation by 10% instead.

■ 64.6030, 72.1379,
80.3311

■ 64.6030, 72.1379,
80.3311

430.9317,
468.0214, 515.7841

■ 47.4027, 53.2713,
59.4631

110.5478,
122.2526, 135.6467

■ 33.5634, 38.0194,
42.5635

140.0230,
154.2695, 170.9314

■ 22.7197, 25.9978,
29.2140

174.3206,
191.4386, 211.8588

■ 14.5062, 16.8220,
18.9958

213.8060,
234.1443, 258.8473

■ 8.5576, 10.1076,
11.4904

258.8444,
282.7711, 312.3156

■ 4.5086, 5.4704,
6.2794

309.8013,

■ 1.9937, 2.5258,

337.7033, 372.6821

2.9442

367.0419,
399.3252, 440.3654

■ 0.6304, 0.8895,
1.0662

■ 0.0000, 0.0000,
0.0000

■ 64.6030, 72.1379,
80.3311

■ 64.6030, 72.1379,
80.3311

■ 58.6063, 69.0904,
78.1564

■ 71.5036, 75.6546,
82.5817

■ 53.4684, 66.4830,
76.0509

■ 79.3384, 79.6503,
84.9053

■ 49.1496, 64.2972,
74.0141

■ 82.8821, 81.4331,
87.0591

■ 45.6047, 62.5097,
72.0438

■ 83.2689, 81.5879,
89.0961

■ 42.7838, 61.0947,
70.1374

■ 83.6617, 81.7450,
91.1646

■ 40.6316, 60.0238,
68.2922

■ 84.0605, 81.9045,
93.2647

■ 39.0844, 59.2642,
66.5051

■ 84.4654, 82.0664,
95.3966

■ 38.0663, 58.7766,
64.7724

■ 84.8763, 82.2308,
97.5603

■ 37.4900, 58.5123,
63.2644

■ 85.2932, 82.3976,
99.7561

Harmonies

Analogous

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



64.8263, 72.1379, 74.3704



64.6030, 72.1379, 80.3311



65.4241, 72.1379, 86.0964

Triad

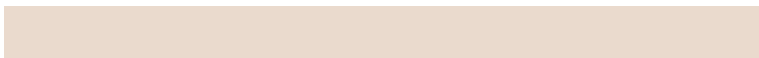
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.6030, 72.1379, 80.3311



71.1530, 72.1379, 88.0408



70.0602, 72.1379, 68.1351

Complementary

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



64.6030, 72.1379, 80.3311



63.1523, 62.3035, 65.8272

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.



71.8047, 72.1379, 71.4503



64.6030, 72.1379, 80.3311



72.4446, 72.1379, 82.8749

Square

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



64.6030, 72.1379, 80.3311



69.1854, 72.1379, 90.6960



72.6856, 72.1379, 76.7874



67.9481, 72.1379, 67.5325

Rectangle

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



64.6030, 72.1379, 80.3311



66.4633, 72.1379, 88.9806



72.6856, 72.1379, 76.7874



70.7103, 72.1379, 68.9607

Sweetspot

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



64.6051, 72.1409, 80.3327



92.1437, 98.5188, 107.9936



62.7344, 71.4973, 65.7534



19.5603, 21.0044, 23.0635



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.



64.6051, 72.1409, 80.3327



83.2537, 93.9921, 105.0361



62.5869, 67.4508, 81.6756



14.0420, 15.5425, 17.2562



21.4164, 33.3914, 36.2456



1.5047, 2.3226, 2.6191

Inverse Universe

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



63.1523, 62.3035, 65.8272



81.0259, 78.9047, 82.7902



64.9969, 66.5637, 64.6818



13.7739, 13.7272, 14.5794



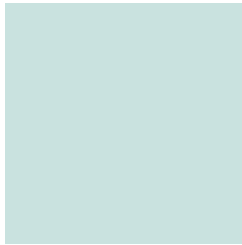
18.0298, 9.2789, 1.5568



1.2721, 0.6521, 0.2259

Previews

White Background



This preview shows how the XYZ color 64.6030, 72.1379, 80.3311 looks on a white background.

Color Contrast Check

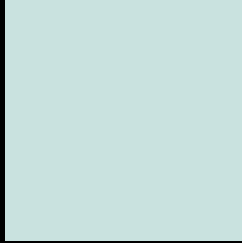
Large Text (above 18pt) WCAG AA × Fail

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 64.6030, 72.1379, 80.3311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

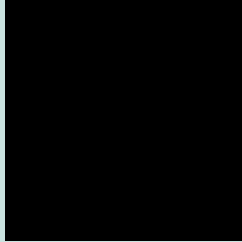
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

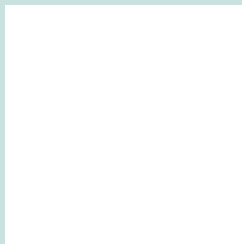
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.6030, 72.1379, 80.3311

Background



This preview shows how black text looks on a background with the XYZ color 64.6030, 72.1379, 80.3311.

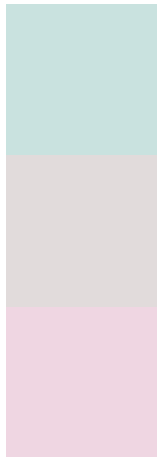


This preview shows how white text looks on a background with the XYZ color 64.6030, 72.1379,

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

64.6030, 72.1379, 80.3311

Protanopia

69.1690, 71.7851, 77.2281

Deuteranopia

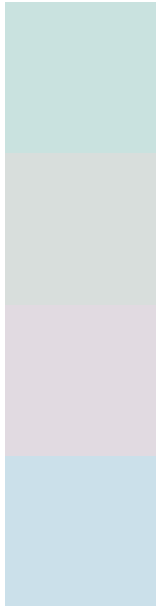
73.3706, 71.9348, 81.9693



Tritanopia

67.1667, 71.9636, 93.5694

Trichromacy



Original Color

64.6030, 72.1379, 80.3311

Protanomaly

67.3584, 72.0088, 78.0591

Deuteranomaly

69.7133, 71.5866, 81.3775

Tritanomaly

66.1355, 71.9483, 88.2436

Monochromacy



Original Color

64.6030, 72.1379, 80.3311

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

65.9261, 70.8773, 77.9161

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.6030, 72.1379, 80.3311 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(201, 226, 223)` looks like.

```
.text, #text, p{  
    color:rgb(201, 226, 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(201, 226, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 226, 223) }
```

Border

The CSS property to change the border of an element to XYZ 64.6030, 72.1379, 80.3311 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(201, 226, 223) }
```


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

```
.border{ border-color:rgb(201, 226, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 226, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 226, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 226, 223);  
box-shadow:4px 4px 4px 4px rgb(201, 226,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 64.6030, 72.1379, 80.3311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 226, 223) }
```

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

```
.background{ background-color: rgb(201,  
226, 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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