

Converting Colors

XYZ(64.9535, 73.4139, 76.3558)

Have a look what the booklet for
XYZ(64.9535, 73.4139, 76.3558)
contains.

XYZ(64.8964, 73.1931, 76.3529)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(64.8964, 73.1931,
76.3529)**

Conversions

Conversions Part 1

Format	Color
Hex	CBE4D9
RGB	203, 228, 217
RGB Percent	80%, 89%, 85%
CMY	0.2039, 0.1059, 0.1490
CMYK	0.11, 0.00, 0.05, 0.11
HSL	154°, 32%, 85%
HSV	154°, 11%, 89%
XYZ	64.8964, 73.1931, 76.3529
YIQ	219.2710, -11.3690, -8.7210

Conversions

Conversions Part 2

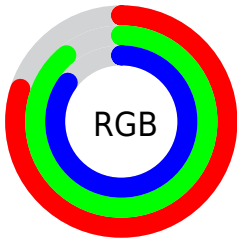
Format	Color
RYB	203, 219, 228
Decimal	13362393
CIELab	88.54, -10.32, 2.56
CIELCh	89, 10.632, 166.093
Yxy	73.1931, 0.3026, 0.3413
Android (android.graphics.Color)	4291552473 (0xFFCBE4D9)
YUV	219.2710, -1.1196, -14.2697
Hunter-Lab	85.5530, -14.3161, 6.9729

Details

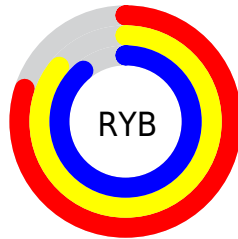
The XYZ color **64.8964, 73.1931, 76.3529** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.4911, 64.0628, 72.5354**, and the grayscale version is **67.5350, 71.0520, 77.3757**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.8596, 38.8853, 39.9034** is the 20% darker color. If you saturate the color by 10%, you get **57.8726, 69.7205, 69.4179**, and if you desaturate by 10%, it is **72.9169, 77.1744, 83.7519**.

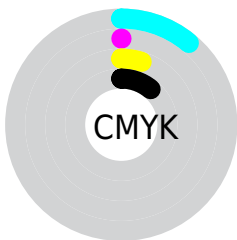
Distribution



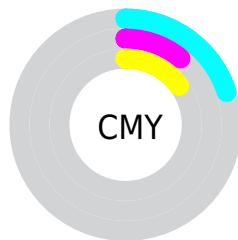
- Red (80%)
- Green (89%)
- Blue (85%)



- Red (80%)
- Yellow (86%)
- Blue (89%)



- Cyan (11%)
- Magenta (0%)
- Yellow (5%)
- Black (11%)



- Cyan (20%)
- Magenta (11%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.8964, 73.1931, 76.3529 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 64.8964, 73.1931, 76.3529 by changing the saturation by 10% instead.

64.8964, 73.1931,
76.3529

64.8964, 73.1931,
76.3529

431.9707,
471.6838, 501.9338

47.6415, 54.1339,
56.2135

110.9674,
123.7513, 129.9903

33.7531, 38.7087,
39.9690

140.5143,
156.0191, 164.3254

22.8660, 26.5332,
27.2008

174.8891,
193.4585, 204.2295

14.6147, 17.2229,
17.4903

214.4573,
236.4539, 250.1211

8.6340, 10.3936,
10.4190

259.5841,
285.3897, 302.4188

4.5584, 5.6607,
5.5684

310.6351,

2.0226, 2.6399,

340.6504, 361.5412

2.5200

367.9755,
402.6203, 427.9067

■ 0.6466, 0.9468,
0.8507

■ 0.0000, 0.0000,
0.0000

■ 64.8964, 73.1931,
76.3529

■ 64.8964, 73.1931,
76.3529

■ 57.8726, 69.7205,
69.4179

■ 72.9169, 77.1744,
83.7519

■ 51.7982, 66.7262,
62.9329

■ 81.9665, 81.6749,
91.6189

■ 46.6311, 64.1910,
56.8898

■ 85.7893, 83.4714,
99.6696

■ 42.3238, 62.0902,
51.2787

■ 87.0348, 83.9696,
106.2283

■ 38.8240, 60.3972,
46.0892

■ 36.0735, 59.0822,
41.3105

■ 34.0058, 58.1110,
36.9309

■ 32.5416, 57.4431,
32.9378

■ 31.6191, 57.0393,
29.6499

Harmonies

Analogous

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



66.0799, 73.1931, 70.3089



64.8964, 73.1931, 76.3529



64.9428, 73.1931, 83.6684

Triad

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



64.8964, 73.1931, 76.3529



70.9418, 73.1931, 94.0280



73.0391, 73.1931, 69.9597

Complementary

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



64.8964, 73.1931, 76.3529



65.4911, 64.0628, 72.5354

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.



74.4074, 73.1931, 75.8491



64.8964, 73.1931, 76.3529



73.1764, 73.1931, 89.8810

Square

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



64.8964, 73.1931, 76.3529



68.3909, 73.1931, 94.1835



74.4583, 73.1931, 83.1329



70.7582, 73.1931, 66.7739

Rectangle

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



64.8964, 73.1931, 76.3529



65.6640, 73.1931, 88.2950



74.4583, 73.1931, 83.1329



73.6235, 73.1931, 71.6721

Sweetspot

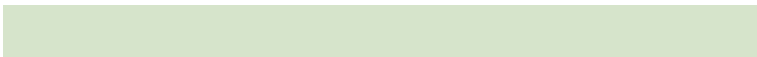
The Sweet Spot groups the original color and five complimentary colors.



64.8985, 73.1962, 76.3545



91.7540, 98.3629, 105.9412



66.3300, 74.1358, 67.3146



19.4549, 20.9623, 22.5085



0.0000, 0.0000, 0.0000



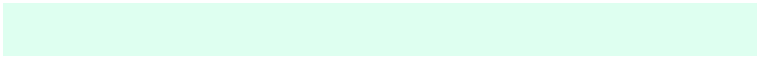
20.3446, 21.4041, 23.3091

Same Dimension

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



64.8985, 73.1962, 76.3545



81.6277, 93.3417, 96.4734



66.0355, 73.1027, 84.0323



14.5255, 16.2236, 17.0323



18.3177, 32.9592, 17.4392



1.4001, 2.4542, 1.5337

Inverse Universe

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



65.4911, 64.0628, 72.5354



82.5256, 79.5046, 90.6877



64.4290, 64.1122, 65.4801



14.6391, 14.4728, 16.3002



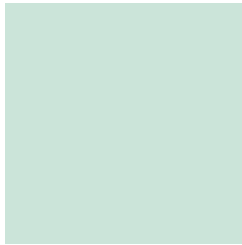
19.8701, 10.0823, 8.2111



1.5144, 0.7635, 0.8492

Previews

White Background



This preview shows how the XYZ color 64.8964, 73.1931, 76.3529 looks on a white background.

Color Contrast Check

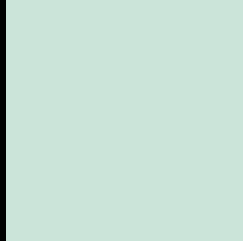
Large Text (above 18pt) WCAG AA × Fail

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 64.8964, 73.1931, 76.3529 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

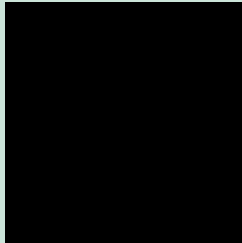
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

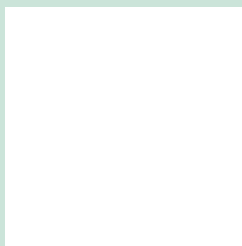
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.8964, 73.1931, 76.3529

Background



This preview shows how black text looks on a background with the XYZ color 64.8964, 73.1931, 76.3529.

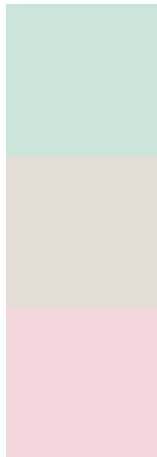


This preview shows how white text looks on a background with the XYZ color 64.8964, 73.1931,

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

64.8964, 73.1931, 76.3529

Protanopia

69.8616, 73.0110, 73.3612

Deuteranopia

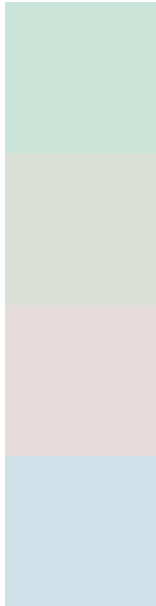
74.5269, 73.0013, 77.8728



Tritanopia

68.4148, 72.9875, 94.4866

Trichromacy



Original Color

64.8964, 73.1931, 76.3529

Protanomaly

68.0067, 73.2264, 74.1681

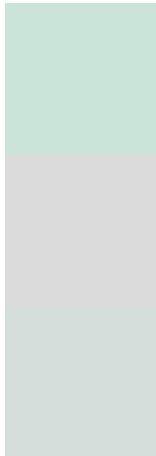
Deuteranomaly

70.6925, 72.9589, 77.3744

Tritanomaly

67.0868, 72.8554, 87.6174

Monochromacy



Original Color

64.8964, 73.1931, 76.3529

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

66.2167, 71.4506, 76.6310

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.8964, 73.1931, 76.3529 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(203, 228, 217)` looks like.

```
.text, #text, p{  
    color:rgb(203, 228, 217)  
}
```

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(203, 228, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 228, 217) }
```

Border

The CSS property to change the border of an element to XYZ 64.8964, 73.1931, 76.3529 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(203, 228, 217) }
```


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

```
.border{ border-color:rgb(203, 228, 217) }
```

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

Here you see how a box with a 4 pixel rgb(203, 228, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 228, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 228, 217);  
box-shadow:4px 4px 4px 4px rgb(203, 228,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 64.8964, 73.1931, 76.3529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 228, 217) }
```

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

```
.background{ background-color: rgb(203,  
228, 217) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor