

Converting Colors

XYZ(63.9519, 71.9123, 72.4580)

Have a look what the booklet for
XYZ(63.9519, 71.9123, 72.4580)
contains.

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Color

**XYZ(63.8561, 71.9332,
72.1469)**

Conversions

Conversions Part 1

Format	Color
Hex	CCE2D3
RGB	204, 226, 211
RGB Percent	80%, 89%, 83%
CMY	0.2000, 0.1137, 0.1725
CMYK	0.10, 0.00, 0.07, 0.11
HSL	139°, 28%, 84%
HSV	139°, 10%, 89%
XYZ	63.8561, 71.9332, 72.1469
YIQ	217.7120, -8.2970, -9.3290

Conversions

Conversions Part 2

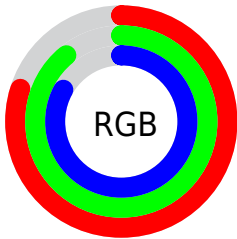
Format	Color
R_{YB}	204, 221, 226
Decimal	13427411
CIE _{Lab}	87.94, -10.09, 4.84
CIE _{LCh}	88, 11.186, 154.364
Yxy	71.9332, 0.3071, 0.3459
Android (android.graphics.Color)	4291617491 (0xFFCCE2D3)
YUV	217.7120, -3.3090, -12.0254
Hunter-Lab	84.8134, -14.0307, 8.9341

Details

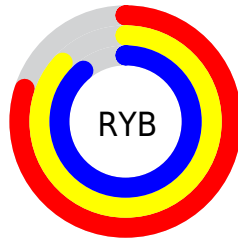
The XYZ color **63.8561, 71.9332, 72.1469** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.7457, 64.4709, 76.0003**, and the grayscale version is **66.4700, 69.9317, 76.1556**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.2264, 38.0442, 37.4903** is the 20% darker color. If you saturate the color by 10%, you get **56.2653, 68.2347, 62.1859**, and if you desaturate by 10%, it is **72.5351, 76.1753, 83.1288**.

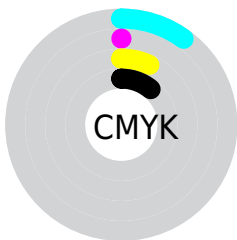
Distribution



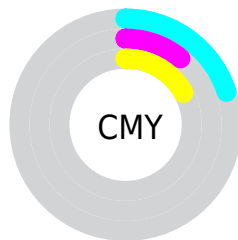
- Red (80%)
- Green (89%)
- Blue (83%)



- Red (80%)
- Yellow (87%)
- Blue (89%)



- Cyan (10%)
- Magenta (0%)
- Yellow (7%)
- Black (11%)



- Cyan (20%)
- Magenta (11%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.8561, 71.9332, 72.1469 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 63.8561, 71.9332, 72.1469 by changing the saturation by 10% instead.

63.8561, 71.9332,
72.1469

63.8561, 71.9332,
72.1469

428.2803,
467.3091, 487.0440

46.7954, 53.1041,
52.7911

109.4786,
121.9616, 123.9750

33.0812, 37.8859,
37.2495

138.7710,
153.9296, 157.2844

22.3482, 25.8941,
25.1034

172.8714,
191.0461, 196.0822

14.2310, 16.7445,
15.9344

212.1452,
233.6954, 240.7867

8.3643, 10.0525,
9.3239

256.9575,
282.2620, 291.8166

4.3827, 5.4338,
4.8533

307.6740,

1.9208, 2.5039,

337.1302, 349.5905

2.1042

364.6597,
398.6844, 414.5267

■ 0.5889, 0.8786,
0.6183

■ 0.0000, 0.0000,
0.0000

■ 63.8561, 71.9332,
72.1469

■ 63.8561, 71.9332,
72.1469

■ 56.2653, 68.2347,
62.1859

■ 72.5351, 76.1753,
83.1288

■ 49.7129, 65.0486,
53.2119

■ 82.3374, 80.9726,
95.1546

■ 44.1542, 62.3547,
45.1960

■ 86.4877, 82.8754,
106.0459

■ 39.5387, 60.1274,
38.1062

■ 35.8115, 58.3393,
31.9086

■ 32.9116, 56.9596,
26.5673

■ 30.7699, 55.9534,
22.0438

■ 29.3053, 55.2798,
18.2966

■ 28.3849, 54.8711,
15.2785

Harmonies

Analogous

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



65.5200, 71.9332, 66.8285



63.8561, 71.9332, 72.1469



63.3897, 71.9332, 79.4445

Triad

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



63.8561, 71.9332, 72.1469



68.7608, 71.9332, 93.8775



72.6858, 71.9332, 70.3321

Complementary

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



63.8561, 71.9332, 72.1469



65.7457, 64.4709, 76.0003

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.



73.6053, 71.9332, 77.2121



63.8561, 71.9332, 72.1469



71.3022, 71.9332, 91.0654

Square

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



63.8561, 71.9332, 72.1469



66.1784, 71.9332, 92.3052



73.0925, 71.9332, 84.8419



70.6102, 71.9332, 65.8294

Rectangle

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



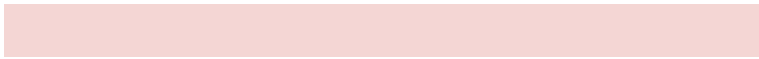
63.8561, 71.9332, 72.1469



63.8102, 71.9332, 84.5312



73.0925, 71.9332, 84.8419



73.1427, 71.9332, 72.4265

Sweetspot

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



63.8581, 71.9363, 72.1485



91.4627, 98.2464, 104.4076



67.3216, 73.8210, 67.8285



19.3764, 20.9309, 22.0950



0.0000, 0.0000, 0.0000



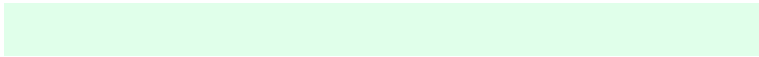
20.3446, 21.4041, 23.3091

Same Dimension

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



63.8581, 71.9363, 72.1485



81.4952, 93.3795, 91.6722



65.2810, 72.5054, 79.6412



13.7075, 15.4088, 15.4952



16.2287, 31.3163, 8.9275



1.1647, 2.1866, 0.8282

Inverse Universe

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



65.7457, 64.4709, 76.0003



84.5253, 81.3954, 97.8546



64.3484, 63.9120, 68.6423



14.0998, 13.8575, 16.2956



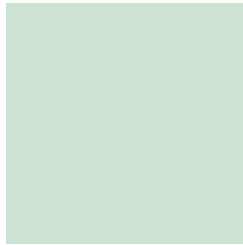
21.2819, 10.5797, 18.6819



1.5153, 0.7494, 1.5063

Previews

White Background



This preview shows how the XYZ color 63.8561, 71.9332, 72.1469 looks on a white background.

Color Contrast Check

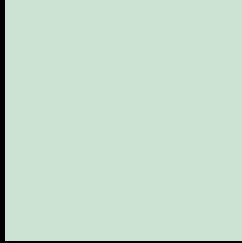
Large Text (above 18pt) WCAG AA × Fail

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 63.8561, 71.9332, 72.1469 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

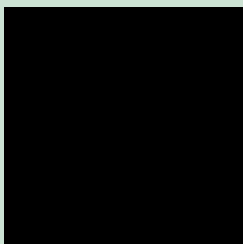
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

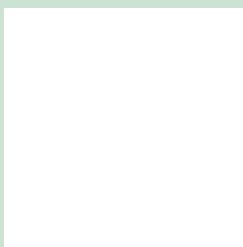
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.8561, 71.9332, 72.1469

Background



This preview shows how black text looks on a background with the XYZ color 63.8561, 71.9332, 72.1469.

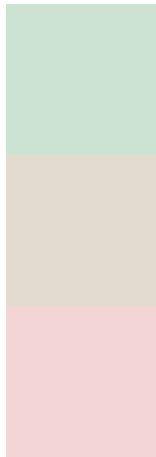


This preview shows how white text looks on a background with the XYZ color 63.8561, 71.9332,

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

63.8561, 71.9332, 72.1469

Protanopia

68.2726, 71.4989, 69.2338

Deuteranopia

73.2401, 71.6766, 73.5931



Tritanopia

67.9958, 72.0299, 91.9807

Trichromacy



Original Color

63.8561, 71.9332, 72.1469

Protanomaly

66.7199, 71.8567, 70.0277

Deuteranomaly

69.3947, 71.6049, 73.1144

Tritanomaly

66.2627, 71.6979, 84.4754

Monochromacy



Original Color

63.8561, 71.9332, 72.1469

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

65.5628, 70.7653, 74.4935

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.8561, 71.9332, 72.1469 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, 226, 211)` looks like.

```
.text, #text, p{  
    color:rgb(204, 226, 211)  
}
```

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, 226, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 226, 211) }
```

Border

The CSS property to change the border of an element to XYZ 63.8561, 71.9332, 72.1469 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, 226, 211) }
```


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

```
.border{ border-color:rgb(204, 226, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 226, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 226, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 226, 211);  
box-shadow:4px 4px 4px 4px rgb(204, 226,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 63.8561, 71.9332, 72.1469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 226, 211) }
```

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

```
.background{ background-color: rgb(204,  
226, 211) }
```

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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