

Converting Colors

XYZ(63.8645, 72.0228, 70.2257)

Have a look what the booklet for
XYZ(63.8645, 72.0228, 70.2257)
contains.

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Color

**XYZ(63.7584, 71.9259,
70.1972)**

Conversions

Conversions Part 1

Format	Color
Hex	CDE2D0
RGB	205, 226, 208
RGB Percent	80%, 89%, 82%
CMY	0.1961, 0.1137, 0.1843
CMYK	0.09, 0.00, 0.08, 0.11
HSL	129°, 27%, 85%
HSV	129°, 9%, 89%
XYZ	63.7584, 71.9259, 70.1972
YIQ	217.6690, -6.7380, -10.0500

Conversions

Conversions Part 2

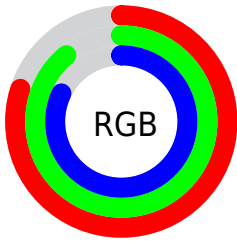
Format	Color
R_{YB}	205, 223, 226
Decimal	13492944
CIE Lab	87.93, -10.29, 6.42
CIE LCh	88, 12.131, 148.054
Yxy	71.9259, 0.3097, 0.3494
Android (android.graphics.Color)	4291683024 (0xFFCDE2D0)
YUV	217.6690, -4.7668, -11.1107
Hunter-Lab	84.8091, -14.2220, 10.2916

Details

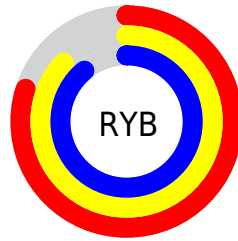
The XYZ color **63.7584, 71.9259, 70.1972** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.5173, 65.1610, 78.8870**, and the grayscale version is **66.4494, 69.9099, 76.1319**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.1581, 38.0382, 36.1663** is the 20% darker color. If you saturate the color by 10%, you get **55.7291, 68.0475, 58.1307**, and if you desaturate by 10%, it is **72.9834, 76.3912, 83.8423**.

Distribution



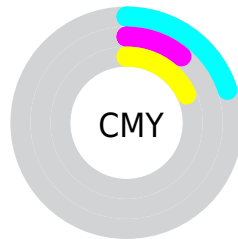
- Red (80%)
- Green (89%)
- Blue (82%)



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



- Cyan (9%)
- Magenta (0%)
- Yellow (8%)
- Black (11%)



- Cyan (20%)
- Magenta (11%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.7584, 71.9259, 70.1972 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 63.7584, 71.9259, 70.1972 by changing the saturation by 10% instead.

63.7584, 71.9259,
70.1972

63.7584, 71.9259,
70.1972

427.9327,
467.2836, 480.0499

46.7160, 53.0981,
51.2095

109.3386,
121.9512, 121.1737

33.0182, 37.8811,
35.9975

138.6071,
153.9175, 153.9996

22.2997, 25.8904,
24.1426

172.6816,
191.0321, 192.2753

14.1951, 16.7417,
15.2262

211.9276,
233.6794, 236.4193

8.3391, 10.0505,
8.8299

256.7103,
282.2438, 286.8503

4.3663, 5.4325,
4.5351

307.3952,

1.9114, 2.5032,

337.1098, 343.9867

1.9233

364.3475,
398.6616, 408.2470

■ 0.5834, 0.8782,
0.5075

■ 0.0000, 0.0000,
0.0000

■ 63.7584, 71.9259,
70.1972

■ 63.7584, 71.9259,
70.1972

■ 55.7291, 68.0475,
58.1307

■ 72.9834, 76.3912,
83.8423

■ 48.8407, 64.7227,
47.5814

■ 83.4441, 81.4566,
99.1153

■ 43.0428, 61.9290,
38.4905

■ 86.4877, 82.8754,
106.0459

■ 38.2792, 59.6387,
30.7939

■ 34.4882, 57.8215,
24.4224

■ 31.6020, 56.4439,
19.3013

■ 29.5434, 55.4681,
15.3481

■ 28.2223, 54.8493,
12.4705

■ 27.5014, 54.5192,
10.5609

Harmonies

Analogous

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



65.7847, 71.9259, 65.1006



63.7584, 71.9259, 70.1972



62.9619, 71.9259, 77.7762

Triad

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



63.7584, 71.9259, 70.1972



68.1750, 71.9259, 95.3107



73.3825, 71.9259, 71.0706

Complementary

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



63.7584, 71.9259, 70.1972



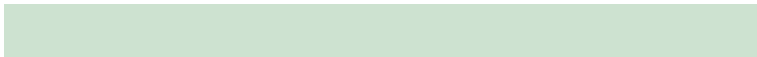
66.5173, 65.1610, 78.8870

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.



74.0654, 71.9259, 78.8565



63.7584, 71.9259, 70.1972



71.0087, 71.9259, 93.2067

Square

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



63.7584, 71.9259, 70.1972



65.4668, 71.9259, 92.6013



73.1850, 71.9259, 87.0359



71.3442, 71.9259, 65.5794

Rectangle

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



63.7584, 71.9259, 70.1972



63.2180, 71.9259, 83.3483



73.1850, 71.9259, 87.0359



73.7807, 71.9259, 73.4887

Sweetspot

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



63.7604, 71.9290, 70.1988



91.2534, 98.1627, 103.3052



68.7119, 74.5238, 68.5217



19.3201, 20.9083, 21.7985



0.0000, 0.0000, 0.0000



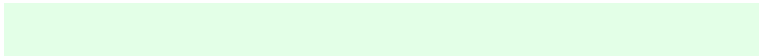
20.3446, 21.4041, 23.3091

Same Dimension

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



63.7604, 71.9290, 70.1988



81.8405, 93.6098, 89.3242



65.0697, 72.4527, 77.0935



13.6081, 15.3690, 14.9717



15.6924, 31.1018, 6.1034



1.1134, 2.1661, 0.5581

Inverse Universe

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



66.5173, 65.1610, 78.8870



86.1070, 83.1354, 102.7697



65.1699, 64.6220, 71.7917



14.2064, 13.9002, 16.8572



23.4643, 11.4527, 30.1744



1.6498, 0.8032, 2.2147

Previews

White Background



This preview shows how the XYZ color 63.7584, 71.9259, 70.1972 looks on a white background.

Color Contrast Check

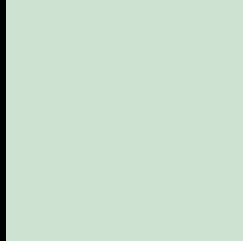
Large Text (above 18pt) WCAG AA × Fail

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 63.7584, 71.9259, 70.1972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

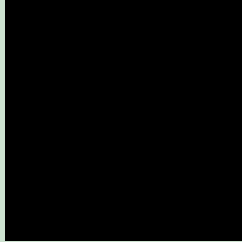
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

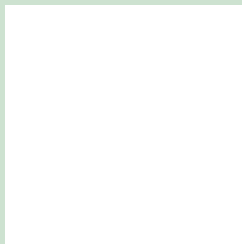
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.7584, 71.9259, 70.1972

Background



This preview shows how black text looks on a background with the XYZ color 63.7584, 71.9259, 70.1972.



This preview shows how white text looks on a background with the XYZ color 63.7584, 71.9259,

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

63.7584, 71.9259, 70.1972

Protanopia

68.2255, 71.5166, 67.3350

Deuteranopia

73.2083, 71.7041, 71.6098



Tritanopia

68.0148, 71.6465, 91.9058

Trichromacy



Original Color

63.7584, 71.9259, 70.1972

Protanomaly

66.6559, 71.8660, 68.1160

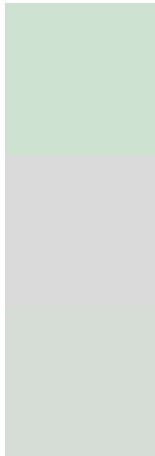
Deuteranomaly

69.3374, 71.6189, 71.1421

Tritanomaly

66.4037, 71.7867, 83.7552

Monochromacy



Original Color

63.7584, 71.9259, 70.1972

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

65.4346, 70.7141, 73.8187

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.7584, 71.9259, 70.1972 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(205, 226, 208) looks like.

```
.text, #text, p{  
    color:rgb(205, 226, 208)  
}
```

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(205, 226, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 226, 208) }
```

Border

The CSS property to change the border of an element to XYZ 63.7584, 71.9259, 70.1972 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(205, 226, 208) }
```


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

```
.border{ border-color:rgb(205, 226, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 226, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 226, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 226, 208);  
box-shadow:4px 4px 4px 4px rgb(205, 226,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 63.7584, 71.9259, 70.1972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 226, 208) }
```

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

```
.background{ background-color: rgb(205,  
226, 208) }
```

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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