

# Converting Colors

XYZ(65.0121, 73.7766, 72.4337)

Have a look what the booklet for  
XYZ(65.0121, 73.7766, 72.4337)  
contains.

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# Color

**XYZ(64.9540, 73.7209,  
72.4341)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CDE5D3
RGB	205, 229, 211
RGB Percent	80%, 90%, 83%
CMY	0.1961, 0.1019, 0.1725
CMYK	0.10, 0.00, 0.08, 0.10
HSL	135°, 32%, 85%
HSV	135°, 10%, 90%
XYZ	64.9540, 73.7209, 72.4341
YIQ	219.7720, -8.5260, -10.6860

# Conversions

## Conversions Part 2

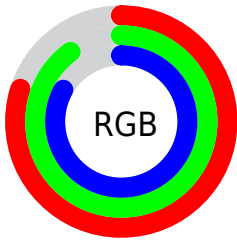
Format	Color
R <sub>Y</sub> B	205, 224, 229
Decimal	13493715
CIE Lab	88.79, -11.27, 6.08
CIE LCh	89, 12.807, 151.651
Yxy	73.7209, 0.3077, 0.3492
Android (android.graphics.Color)	4291683795 (0xFFCDE5D3)
YUV	219.7720, -4.3246, -12.9550
Hunter-Lab	85.8609, -15.2208, 10.0843

# Details

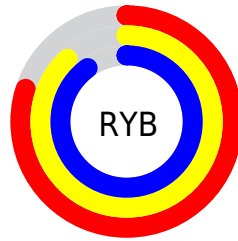
The XYZ color **64.9540, 73.7209, 72.4341** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.4663, 65.6502, 78.9314**, and the grayscale version is **67.9037, 71.4400, 77.7981**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.9844, 39.2857, 37.6900** is the 20% darker color. If you saturate the color by 10%, you get **57.0540, 69.8860, 61.4186**, and if you desaturate by 10%, it is **74.0128, 78.1307, 84.7080**.

# Distribution



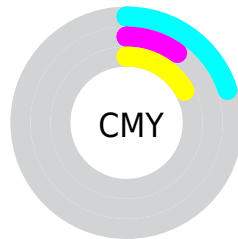
- Red (80%)
- Green (90%)
- Blue (83%)



- Red (80%)
- Yellow (88%)
- Blue (90%)



- Cyan (10%)
- Magenta (0%)
- Yellow (8%)
- Black (10%)



- Cyan (20%)
- Magenta (10%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.9540, 73.7209, 72.4341 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 64.9540, 73.7209, 72.4341 by changing the saturation by 10% instead.



64.9540, 73.7209,  
72.4341

64.9540, 73.7209,  
72.4341

432.1745,  
473.5095, 488.0692

47.6883, 54.5656,  
53.0244

111.0498,  
124.5001, 124.3870

33.7904, 39.0541,  
37.4344

140.6106,  
156.8928, 157.7672

22.8947, 26.8018,  
25.2456

175.0006,  
194.4668, 196.6413

14.6361, 17.4244,  
16.0394

214.5850,  
237.6064, 241.4278

8.6490, 10.5375,  
9.3974

259.7293,  
286.6961, 292.5453

4.5682, 5.7568,  
4.9009

310.7987,

2.0284, 2.6978,

342.1203, 350.4124

2.1315

368.1586,  
404.2633, 415.4475

■ 0.6498, 0.9761,  
0.6344

■ 0.0000, 0.0000,  
0.0000

■ 64.9540, 73.7209,  
72.4341

■ 64.9540, 73.7209,  
72.4341

■ 57.0540, 69.8860,  
61.4186

■ 74.0128, 78.1307,  
84.7080

■ 50.2595, 66.5933,  
51.6169

■ 84.2688, 83.1282,  
98.2735

■ 44.5220, 63.8205,  
42.9888

■ 87.3107, 84.5215,  
106.3202

■ 39.7871, 61.5407,  
35.4900

■ 35.9953, 59.7240,  
29.0735

■ 33.0806, 58.3376,  
23.6889

■ 30.9681, 57.3439,  
19.2817

■ 29.5695, 56.6987,  
15.7924

■ 28.7654, 56.3393,  
13.2614

# Harmonies

## Analogous

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



66.9883, 73.7209, 66.5983



64.9540, 73.7209, 72.4341



64.2791, 73.7209, 80.7623

# Triad

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



64.9540, 73.7209, 72.4341



70.2414, 73.7209, 98.5691



75.2665, 73.7209, 71.6416

# Complementary

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



64.9540, 73.7209, 72.4341



67.4663, 65.6502, 78.9314

# 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.



76.1976, 73.7209, 79.7787



64.9540, 73.7209, 72.4341



73.2438, 73.7209, 95.6943

# Square

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



64.9540, 73.7209, 72.4341



67.2773, 73.7209, 96.2483



75.4468, 73.7209, 88.6506



72.9379, 73.7209, 66.1650



# Rectangle

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



64.9540, 73.7209, 72.4341



64.6746, 73.7209, 86.7334



75.4468, 73.7209, 88.6506



75.7564, 73.7209, 74.1351

# Sweetspot

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



64.9560, 73.7240, 72.4357



91.3812, 98.2138, 103.9780



69.5965, 76.2016, 68.7988



19.3545, 20.9221, 21.9794



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

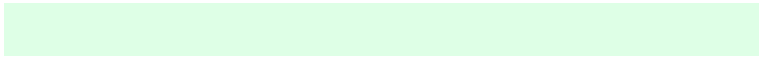


# Same Dimension

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



64.9560, 73.7240, 72.4357



80.1404, 92.7468, 88.6415



66.4639, 74.3272, 80.3761



14.3364, 16.1480, 16.0361



16.4864, 32.2267, 7.7959



1.2549, 2.3961, 0.7687



# Inverse Universe

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



67.4663, 65.6502, 78.9314



84.0658, 80.1206, 98.7981



65.9548, 65.0456, 70.9717



14.8331, 14.5504, 17.3214



22.7698, 11.2421, 23.4803



1.7192, 0.8454, 1.9276



# Previews

## White Background



This preview shows how the XYZ color 64.9540, 73.7209, 72.4341 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

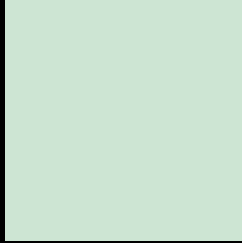
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.9540, 73.7209, 72.4341 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

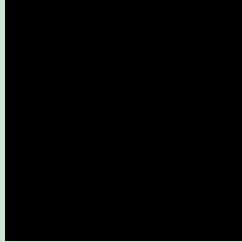
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

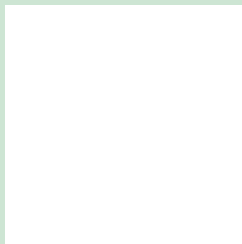
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 64.9540, 73.7209, 72.4341

## Background



This preview shows how black text looks on a background with the XYZ color 64.9540, 73.7209, 72.4341.



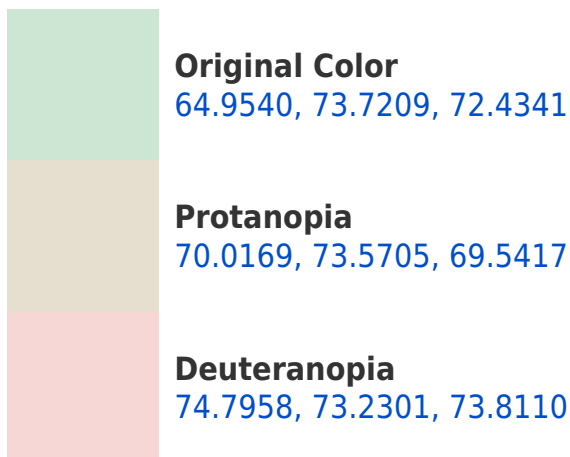
This preview shows how white text looks on a background with the XYZ color 64.9540, 73.7209,



# 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

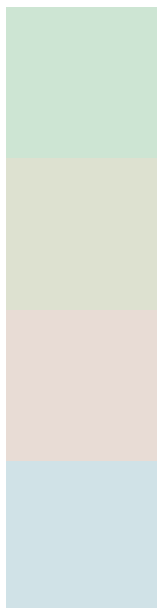




## Tritanopia

69.2610, 73.4238, 94.5262

# Trichromacy



## Original Color

64.9540, 73.7209, 72.4341

## Protanomaly

68.1292, 73.7766, 70.3240

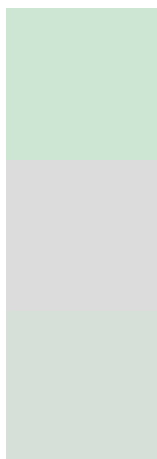
## Deuteranomaly

70.8822, 73.1463, 73.3335

## Tritanomaly

67.6326, 73.5721, 86.2375

# Monochromacy



## Original Color

64.9540, 73.7209, 72.4341

## Achromatopsia

68.0267, 71.5694, 77.9390

## Achromatomaly

66.9364, 72.2322, 76.0599

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.9540, 73.7209, 72.4341 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, 229, 211)` looks like.

```
.text, #text, p{  
    color:rgb(205, 229, 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(205, 229, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 229, 211) }
```

## Border

The CSS property to change the border of an element to XYZ 64.9540, 73.7209, 72.4341 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, 229, 211) }
```



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

```
.border{ border-color:rgb(205, 229, 211) }
```

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

Here you see how a box with a 4 pixel rgb(205, 229, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 229, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 229, 211);  
box-shadow:4px 4px 4px 4px rgb(205, 229,  
211) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.9540, 73.7209, 72.4341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 229, 211) }
```

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

```
.background{ background-color: rgb(205,  
229, 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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