

Converting Colors

XYZ(64.1102, 68.7895, 72.9694)

Have a look what the booklet for
XYZ(64.1102, 68.7895, 72.9694)
contains.

XYZ(64.2330, 68.9440, 72.8729)	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(64.2330, 68.9440,
72.8729)**

Conversions

Conversions Part 1

Format	Color
Hex	D4DAD5
RGB	212, 218, 213
RGB Percent	83%, 85%, 84%
CMY	0.1686, 0.1451, 0.1647
CMYK	0.03, 0.00, 0.02, 0.15
HSL	130°, 8%, 84%
HSV	130°, 3%, 85%
XYZ	64.2330, 68.9440, 72.8729
YIQ	215.6360, -1.9710, -2.8270

Conversions

Conversions Part 2

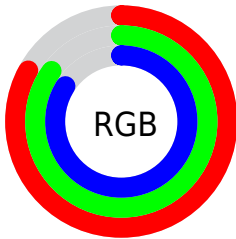
Format	Color
R _Y B	212, 217, 218
Decimal	13949653
CIE Lab	86.48, -2.93, 1.74
CIE LCh	86, 3.409, 149.319
Yxy	68.9440, 0.3117, 0.3346
Android (android.graphics.Color)	4292139733 (0xFFD4DAD5)
YUV	215.6360, -1.2995, -3.1888
Hunter-Lab	83.0325, -7.2214, 6.0873

Details

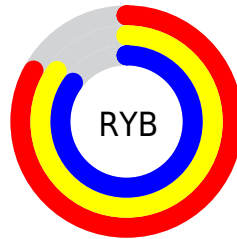
The XYZ color **64.2330, 68.9440, 72.8729** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.9838, 67.0038, 75.1570**, and the grayscale version is **65.0338, 68.4207, 74.5101**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.1734, 35.8311, 37.5154** is the 20% darker color. If you saturate the color by 10%, you get **56.1896, 65.0512, 61.1257**, and if you desaturate by 10%, it is **73.3872, 73.3836, 86.0236**.

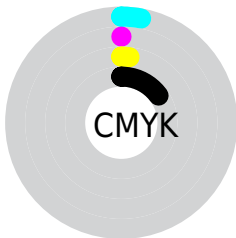
Distribution



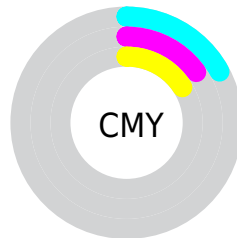
- Red (83%)
- Green (85%)
- Blue (84%)



- Red (83%)
- Yellow (85%)
- Blue (85%)



- Cyan (3%)
- Magenta (0%)
- Yellow (2%)
- Black (15%)



- Cyan (17%)
- Magenta (15%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.2330, 68.9440, 72.8729 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 64.2330, 68.9440, 72.8729 by changing the saturation by 10% instead.

■ 64.2330, 68.9440,
72.8729

■ 64.2330, 68.9440,
72.8729

429.6195,
456.8334, 489.6331

■ 47.1018, 50.6661,
53.3809

110.0183,
117.7016, 125.0160

■ 33.3244, 35.9429,
37.7171

139.4031,
148.9501, 158.5041

■ 22.5355, 24.3901,
25.4631

173.6031,
185.2909, 197.4947

■ 14.3697, 15.6233,
16.2002

212.9838,
227.1084, 242.4063

■ 8.4617, 9.2580,
9.5101

257.9104,
274.7870, 293.6574

■ 4.4460, 4.9098,
4.9740

308.7483,

■ 1.9574, 2.1945,

328.7111, 351.6665

2.1736

365.8629,
389.2651, 416.8523

■ 0.6099, 0.7170,
0.6590

■ 0.0000, 0.0000,
0.0000

■ 64.2330, 68.9440,
72.8729

■ 64.2330, 68.9440,
72.8729

■ 56.1896, 65.0512,
61.1257

■ 73.3872, 73.3836,
86.0236

■ 49.2090, 61.6754,
50.7313

■ 83.4644, 78.2662,
100.6069

■ 43.2482, 58.7974,
41.6423

■ 84.3628, 78.6256,
105.3376

■ 38.2589, 56.3936,
33.8070

■ 34.1890, 54.4382,
27.1704

■ 30.9814, 52.9030,
21.6733

■ 28.5727, 51.7566,
17.2513

■ 26.8903, 50.9632,
13.8337

■ 25.8478, 50.4798,
11.3414

Harmonies

Analogous

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



64.7891, 68.9440, 71.3431



64.2330, 68.9440, 72.8729



64.0238, 68.9440, 75.0167

Triad

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



64.2330, 68.9440, 72.8729



65.5112, 68.9440, 79.4976



66.8610, 68.9440, 72.9606

Complementary

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



64.2330, 68.9440, 72.8729



64.9838, 67.0038, 75.1570

Split Complementary

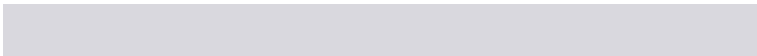
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



67.0581, 68.9440, 75.1199



64.2330, 68.9440, 72.8729



66.2750, 68.9440, 78.9210

Square

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



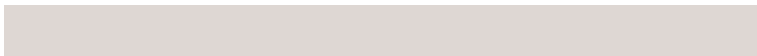
64.2330, 68.9440, 72.8729



64.7581, 68.9440, 78.8676



66.8427, 68.9440, 77.3073



66.3064, 68.9440, 71.3930

Rectangle

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



64.2330, 68.9440, 72.8729



64.1078, 68.9440, 76.5150



66.8427, 68.9440, 77.3073



66.9714, 68.9440, 73.6399

Sweetspot

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



64.2349, 68.9470, 72.8744



93.7777, 99.3834, 107.0643



65.6030, 69.6668, 72.2775



20.0857, 21.2786, 22.9355



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.



64.2349, 68.9470, 72.8744



91.2817, 98.1740, 103.4543



64.6067, 69.0957, 74.8323



13.9962, 15.1362, 15.8182



15.2408, 30.1290, 6.1676



1.0150, 1.9629, 0.5450

Inverse Universe

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



64.9838, 67.0038, 75.1570



92.4533, 95.1340, 107.0254



64.6095, 66.8541, 73.1859



14.2214, 14.5520, 16.5045



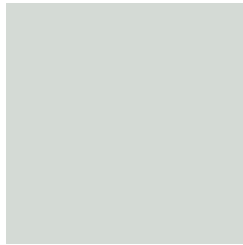
22.3951, 10.9591, 27.5245



1.4761, 0.7201, 1.9163

Previews

White Background



This preview shows how the XYZ color 64.2330, 68.9440, 72.8729 looks on a white background.

Color Contrast Check

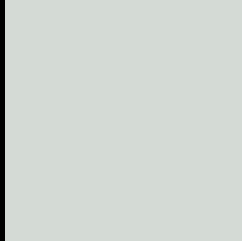
Large Text (above 18pt) WCAG AA × Fail

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 64.2330, 68.9440, 72.8729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

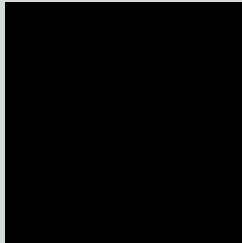
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

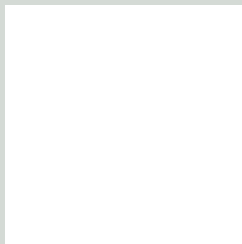
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.2330, 68.9440, 72.8729

Background



This preview shows how black text looks on a background with the XYZ color 64.2330, 68.9440, 72.8729.



This preview shows how white text looks on a background with the XYZ color 64.2330, 68.9440,

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

64.2330, 68.9440, 72.8729

Protanopia

65.8771, 68.6762, 71.4117

Deuteranopia

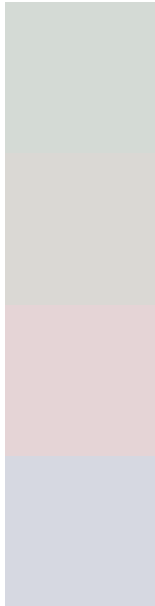
70.3261, 68.6844, 73.8408



Tritanopia

66.8903, 68.8741, 86.1125

Trichromacy



Original Color

64.2330, 68.9440, 72.8729

Protanomaly

65.3530, 68.7706, 72.1169

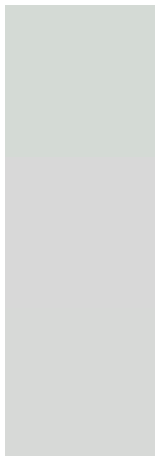
Deuteranomaly

67.9942, 68.6000, 73.2758

Tritanomaly

65.8780, 68.8441, 81.0503

Monochromacy



Original Color

64.2330, 68.9440, 72.8729

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

65.1029, 68.9791, 74.1730

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.2330, 68.9440, 72.8729 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(212, 218, 213) looks like.

```
.text, #text, p{  
    color:rgb(212, 218, 213)  
}
```

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(212, 218, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 218, 213) }
```

Border

The CSS property to change the border of an element to XYZ 64.2330, 68.9440, 72.8729 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(212, 218, 213) }
```


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

```
.border{ border-color:rgb(212, 218, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 218, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 218, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 218, 213);  
box-shadow:4px 4px 4px 4px rgb(212, 218,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 64.2330, 68.9440, 72.8729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 218, 213) }
```

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

```
.background{ background-color: rgb(212,  
218, 213) }
```

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