

# Converting Colors

XYZ(64.0787, 69.3772, 72.5866)

Have a look what the booklet for  
XYZ(64.0787, 69.3772, 72.5866)  
contains.

<b>XYZ(64.0792, 69.2654, 72.2796)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(64.0792, 69.2654,  
72.2796)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3DBD4
RGB	211, 219, 212
RGB Percent	83%, 86%, 83%
CMY	0.1725, 0.1412, 0.1686
CMYK	0.04, 0.00, 0.03, 0.14
HSL	127°, 10%, 84%
HSV	127°, 4%, 86%
XYZ	64.0792, 69.2654, 72.2796
YIQ	215.8100, -2.5210, -3.8730

# Conversions

## Conversions Part 2

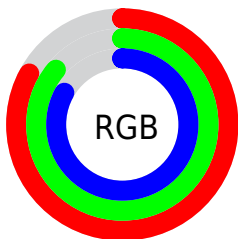
Format	Color
R <sub>Y</sub> B	211, 218, 219
Decimal	13884372
CIE Lab	86.64, -3.97, 2.49
CIE LCh	87, 4.684, 147.892
Yxy	69.2654, 0.3116, 0.3369
Android (android.graphics.Color)	4292074452 (0xFFD3DBD4)
YUV	215.8100, -1.8783, -4.2184
Hunter-Lab	83.2258, -8.2103, 6.7662

# Details

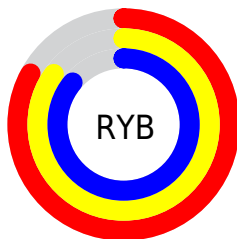
The XYZ color **64.0792, 69.2654, 72.2796** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.1652, 66.7124, 75.7754**, and the grayscale version is **65.1562, 68.5494, 74.6503**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.2659, 36.1533, 37.1233** is the 20% darker color. If you saturate the color by 10%, you get **55.9517, 65.3405, 60.0201**, and if you desaturate by 10%, it is **73.3524, 73.7518, 86.0935**.

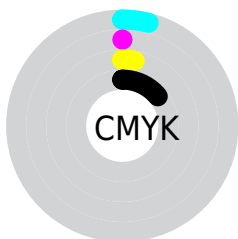
# Distribution



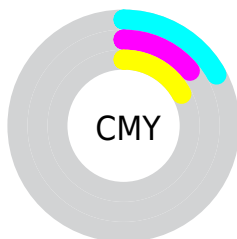
- Red (83%)
- Green (86%)
- Blue (83%)



- Red (83%)
- Yellow (85%)
- Blue (86%)



- Cyan (4%)
- Magenta (0%)
- Yellow (3%)
- Black (14%)



- Cyan (17%)
- Magenta (14%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.0792, 69.2654, 72.2796 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 64.0792, 69.2654, 72.2796 by changing the saturation by 10% instead.



■ 64.0792, 69.2654,  
72.2796

■ 64.0792, 69.2654,  
72.2796

429.0733,  
457.9665, 487.5179

■ 46.9767, 50.9279,  
52.8989

109.7981,  
118.1606, 124.1654

■ 33.2251, 36.1512,  
37.3349

139.1452,  
149.4870, 157.5075

■ 22.4590, 24.5510,  
25.1691

173.3046,  
185.9119, 196.3405

■ 14.3131, 15.7429,  
15.9829

212.6417,  
227.8196, 241.0830

■ 8.4219, 9.3424,  
9.3578

257.5217,  
275.5945, 292.1534

■ 4.4201, 4.9652,  
4.8753

308.3101,

■ 1.9425, 2.2268,

329.6210, 349.9703

2.1168

365.3722,  
390.2835, 414.9523

■ 0.6013, 0.7346,  
0.6258

■ 0.0000, 0.0000,  
0.0000

■ 64.0792, 69.2654,  
72.2796

■ 64.0792, 69.2654,  
72.2796

■ 55.9517, 65.3405,  
60.0201

■ 73.3524, 73.7518,  
86.0935

■ 48.9198, 61.9463,  
49.2561

■ 83.8074, 78.8111,  
101.5088

■ 42.9381, 59.0628,  
39.9319

■ 84.6229, 79.1457,  
105.4243

■ 37.9560, 56.6652,  
31.9863

■ 33.9187, 54.7265,  
25.3538

■ 30.7658, 53.2171,  
19.9638

■ 28.4301, 52.1042,  
15.7388

■ 26.8347, 51.3497,  
12.5926

■ 25.8873, 50.9082,  
10.4272

# Harmonies

## Analogous

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



64.8613, 69.2654, 70.2479



64.0792, 69.2654, 72.2796



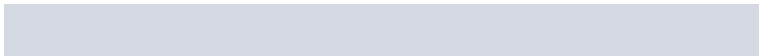
63.7670, 69.2654, 75.1982

# Triad

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



64.0792, 69.2654, 72.2796



65.7578, 69.2654, 81.5629



67.7003, 69.2654, 72.6511

# Complementary

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



64.0792, 69.2654, 72.2796



65.1652, 66.7124, 75.7754

# 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.



67.9466, 69.2654, 75.6387



64.0792, 69.2654, 72.2796



66.8178, 69.2654, 80.8363

# Square

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



64.0792, 69.2654, 72.2796



64.7294, 69.2654, 80.6058



67.6219, 69.2654, 78.6465



66.9524, 69.2654, 70.4582



# Rectangle

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



64.0792, 69.2654, 72.2796



63.8646, 69.2654, 77.2732



67.6219, 69.2654, 78.6465



67.8448, 69.2654, 73.5932

# Sweetspot

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



64.0811, 69.2684, 72.2811



93.7608, 99.3767, 106.9753



66.0257, 70.2854, 71.7156



20.0823, 21.2773, 22.9174



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.



64.0811, 69.2684, 72.2811



89.9924, 97.5549, 101.3356



64.5838, 69.4694, 74.9281



13.8089, 15.0465, 15.5013



15.1620, 30.0974, 5.7525



1.0045, 1.9588, 0.4898



# Inverse Universe

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



65.1652, 66.7124, 75.7754



91.6774, 93.5820, 106.7669



64.6561, 66.5088, 73.0947



14.1126, 14.3303, 16.4803



22.9679, 11.1882, 30.5408

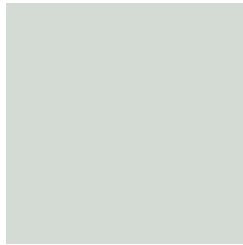


1.5080, 0.7328, 2.0842



# Previews

## White Background



This preview shows how the XYZ color 64.0792, 69.2654, 72.2796 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

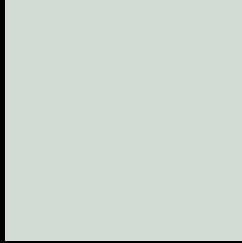
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.0792, 69.2654, 72.2796 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

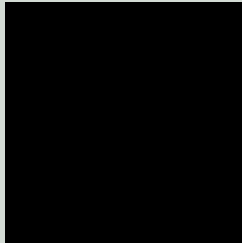
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

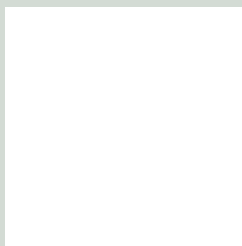
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 64.0792, 69.2654, 72.2796**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.0792, 69.2654, 72.2796.



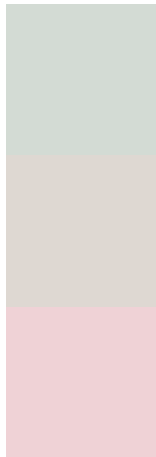
This preview shows how white text looks on a background with the XYZ color 64.0792, 69.2654,



# 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

64.0792, 69.2654, 72.2796

### Protanopia

66.3129, 69.2945, 70.8529

### Deuteranopia

70.7808, 69.2989, 73.2638



## Tritanopia

66.9954, 69.2911, 86.9343

# Trichromacy



## Original Color

64.0792, 69.2654, 72.2796

## Protanomaly

65.4842, 69.2343, 71.5402

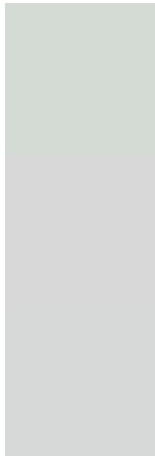
## Deuteranomaly

68.1176, 69.0506, 72.6887

## Tritanomaly

65.8440, 69.2081, 81.1223

# Monochromacy



## Original Color

64.0792, 69.2654, 72.2796

## Achromatopsia

65.2694, 68.6685, 74.7800

## Achromatomaly

64.8102, 68.8281, 74.1593

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.0792, 69.2654, 72.2796 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(211, 219, 212) looks like.

```
.text, #text, p{  
    color:rgb(211, 219, 212)  
}
```

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(211, 219, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 219, 212) }
```

## Border

The CSS property to change the border of an element to XYZ 64.0792, 69.2654, 72.2796 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(211, 219, 212) }
```



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

```
.border{ border-color:rgb(211, 219, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 219, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 219, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 219, 212);  
box-shadow:4px 4px 4px 4px rgb(211, 219,  
212) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.0792, 69.2654, 72.2796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 219, 212) }
```

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

```
.background{ background-color: rgb(211,  
219, 212) }
```

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