

# Converting Colors

XYZ(62.3401, 65.5931, 71.4232)

Have a look what the booklet for  
XYZ(62.3401, 65.5931, 71.4232)  
contains.

<b>XYZ(62.5785, 65.8375, 71.6970)</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> .....	23
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**XYZ(62.5785, 65.8375,  
71.6970)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4D4D4
RGB	212, 212, 212
RGB Percent	83%, 83%, 83%
CMY	0.1686, 0.1686, 0.1686
CMYK	0.00, 0.00, 0.00, 0.17
HSL	123°, 0%, 83%
HSV	123°, 0%, 83%
XYZ	62.5785, 65.8375, 71.6970
YIQ	212.0000, -0.0000, -0.0000

# Conversions

## Conversions Part 2

Format	Color
R <sub>YB</sub>	212, 212, 212
Decimal	13948116
CIE Lab	84.91, 0.00, -0.01
CIE LCh	85, 0.010, 296.376
Yxy	65.8375, 0.3127, 0.3290
Android (android.graphics.Color)	4292138196 (0xFFD4D4D4)
YUV	212.0000, 0.0000, 0.0000
Hunter-Lab	81.1403, -4.3295, 4.4085

# Details

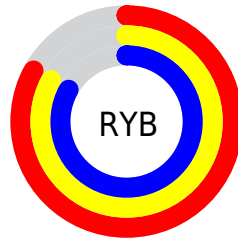
The XYZ color **62.5785, 65.8375, 71.6970** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **62.5810, 65.8391, 71.7005**, and the grayscale version is **62.5809, 65.8400, 71.6998**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **32.0474, 33.7164, 36.7171** is the 20% darker color. If you saturate the color by 10%, you get **54.4851, 61.9419, 58.9018**, and if you desaturate by 10%, it is **71.7935, 70.2786, 86.1935**.

# Distribution



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



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



- Cyan (0%)
- Magenta (0%)
- Yellow (0%)
- Black (17%)



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.5785, 65.8375, 71.6970 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 62.5785, 65.8375, 71.6970 by changing the saturation by 10% instead.



■ 62.5785, 65.8375,  
71.6970

■ 62.5785, 65.8375,  
71.6970

423.7222,  
445.7955, 485.4354

■ 45.7577, 48.1405,  
52.4259

107.6464,  
113.2531, 123.3294

■ 32.2584, 33.9382,  
36.9601

136.6242,  
143.7404, 156.5277

■ 21.7155, 22.8461,  
24.8810

170.3851,  
179.2600, 195.2055

■ 13.7634, 14.4799,  
15.7702

209.2943,  
220.1963, 239.7813

■ 8.0369, 8.4552,  
9.2091

253.7172,  
266.9335, 290.6736

■ 4.1706, 4.3876,  
4.7792

304.0193,

■ 1.7991, 1.8926,

319.8562, 348.3011

2.0618

360.5658,  
379.3488, 413.0822

■ 0.5171, 0.5440,  
0.5929

■ 0.0000, 0.0000,  
0.0000

■ 62.5785, 65.8375,  
71.6970

■ 62.5785, 65.8375,  
71.6970

■ 54.4851, 61.9419,  
58.9018

■ 71.7935, 70.2786,  
86.1935

■ 47.4652, 58.5628,  
47.7416

■ 82.1648, 75.2762,  
102.4461

■ 41.4754, 55.6810,  
38.1516

■ 82.8348, 75.5696,  
104.8283

■ 36.4671, 53.2730,  
30.0615

■ 32.3881, 51.3135,  
23.3955

■ 29.1810, 49.7747,  
18.0712

■ 26.7823, 48.6258,  
13.9976

■ 25.1196, 47.8317,  
11.0727

■ 24.1080, 47.3511,  
9.1784

# Harmonies

## Analogous

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



62.5763, 65.8375, 71.6983



62.5785, 65.8375, 71.6970



62.5802, 65.8375, 71.6927

# Triad

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



62.5785, 65.8375, 71.6970



62.5790, 65.8375, 71.6755



62.5722, 65.8375, 71.6851

# Complementary

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



62.5785, 65.8375, 71.6970



62.5810, 65.8391, 71.7005

# 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.



62.5729, 65.8375, 71.6790



62.5785, 65.8375, 71.6970



62.5768, 65.8375, 71.6734

# Square

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



62.5785, 65.8375, 71.6970



62.5805, 65.8375, 71.6803



62.5746, 65.8375, 71.6747



62.5727, 65.8375, 71.6914



# Rectangle

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



62.5785, 65.8375, 71.6970



62.5808, 65.8375, 71.6888



62.5746, 65.8375, 71.6747



62.5723, 65.8375, 71.6829

# Sweetspot

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



62.5804, 65.8403, 71.6984

95.0500, 100.0000, 108.9000



62.5814, 65.8409, 71.6983



20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

# Same Dimension

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



62.5804, 65.8403, 71.6984

95.0500, 100.0000, 108.9000



62.5806, 65.8404, 71.6997



14.0027, 14.7319, 16.0430



14.5836, 29.0888, 5.1030



0.8891, 1.7583, 0.3577



# Inverse Universe

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



62.5810, 65.8391, 71.7005

95.0500, 100.0000, 108.9000



62.5807, 65.8390, 71.6992



14.0027, 14.7319, 16.0430



23.2750, 11.2463, 35.0816



1.4126, 0.6818, 2.1623



# Previews

## White Background



This preview shows how the XYZ color 62.5785, 65.8375, 71.6970 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 62.5785, 65.8375, 71.6970 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

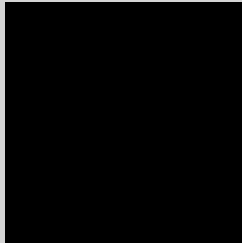
Any Text WCAG AAA ✓ Pass

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

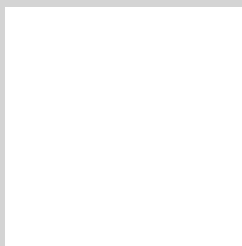


**XYZ 62.5785, 65.8375, 71.6970**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.5785, 65.8375, 71.6970.



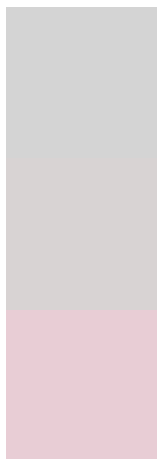
This preview shows how white text looks on a background with the XYZ color 62.5785, 65.8375,



# 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

62.5785, 65.8375, 71.6970

### Protanopia

63.3710, 65.8906, 71.0062

### Deuteranopia

67.1203, 65.6225, 72.0796



## Tritanopia

64.5056, 65.8803, 81.2679

# Trichromacy



## Original Color

62.5785, 65.8375, 71.6970

## Protanomaly

63.0765, 65.7388, 70.9924

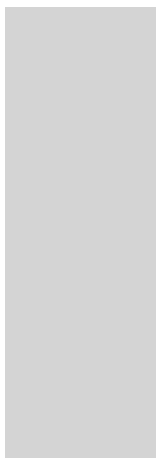
## Deuteranomaly

65.6175, 65.9234, 72.2169

## Tritanomaly

63.7860, 65.9551, 77.7753

# Monochromacy



## Original Color

62.5785, 65.8375, 71.6970

## Achromatopsia

62.5785, 65.8375, 71.6970

## Achromatomaly

62.5785, 65.8375, 71.6970

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.5785, 65.8375, 71.6970 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, 212, 212) looks like.

```
.text, #text, p{  
    color:rgb(212, 212, 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(212, 212, 212) colored shadow looks like.

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

## Border

The CSS property to change the border of an element to XYZ 62.5785, 65.8375, 71.6970 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, 212, 212) }
```

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

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

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

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

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



# Background

The CSS property to change the background color of an element to XYZ 62.5785, 65.8375, 71.6970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(212,  
212, 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