

# Converting Colors

XYZ(65.2405, 72.9409, 77.6382)

Have a look what the booklet for  
XYZ(65.2405, 72.9409, 77.6382)  
contains.

<b>XYZ(65.1571, 72.8900, 77.6529)</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(65.1571, 72.8900,  
77.6529)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCE3DB
RGB	204, 227, 219
RGB Percent	80%, 89%, 86%
CMY	0.2000, 0.1098, 0.1412
CMYK	0.10, 0.00, 0.04, 0.11
HSL	159°, 29%, 85%
HSV	159°, 10%, 89%
XYZ	65.1571, 72.8900, 77.6529
YIQ	219.2110, -11.1400, -7.3640

# Conversions

## Conversions Part 2

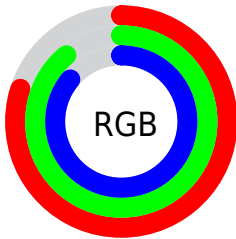
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 218, 227
Decimal	13427675
CIE Lab	88.40, -9.11, 1.30
CIE LCh	88, 9.202, 171.856
Yxy	72.8900, 0.3021, 0.3379
Android (android.graphics.Color)	4291617755 (0xFFCCE3DB)
YUV	219.2110, -0.1040, -13.3400
Hunter-Lab	85.3756, -13.1795, 5.8361

# Details

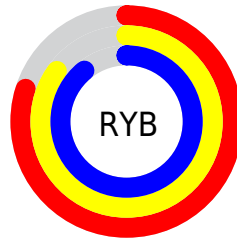
The XYZ color **65.1571, 72.8900, 77.6529** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.1577, 64.2720, 71.2622**, and the grayscale version is **67.4863, 71.0009, 77.3199**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.0310, 38.6694, 40.7923** is the 20% darker color. If you saturate the color by 10%, you get **58.3681, 69.5095, 72.0366**, and if you desaturate by 10%, it is **72.9064, 76.7639, 83.5748**.

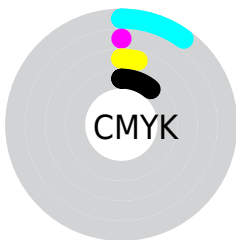
# Distribution



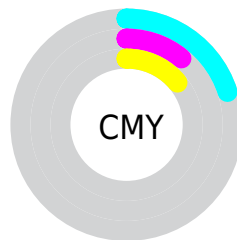
- Red (80%)
- Green (89%)
- Blue (86%)



- Red (80%)
- Yellow (85%)
- Blue (89%)



- Cyan (10%)
- Magenta (0%)
- Yellow (4%)
- Black (11%)



- Cyan (20%)
- Magenta (11%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.1571, 72.8900, 77.6529 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 65.1571, 72.8900, 77.6529 by changing the saturation by 10% instead.



65.1571, 72.8900,  
77.6529

65.1571, 72.8900,  
77.6529

432.8926,  
470.6335, 506.4839

47.8537, 53.8860,  
57.2741

111.3401,  
123.3210, 131.8421

33.9218, 38.5105,  
40.8145

140.9504,  
155.5169, 166.4897

22.9961, 26.3792,  
27.8556

175.3937,  
192.8788, 206.7305

14.7113, 17.1075,  
17.9787

215.0354,  
235.7912, 252.9833

8.7020, 10.3112,  
10.7654

260.2407,  
284.6385, 305.6665

4.6029, 5.6058,  
5.7972

311.3752,

2.0485, 2.6069,

339.8050, 365.1986

2.6553

368.8040,  
401.6752, 431.9982

■ 0.6610, 0.9301,  
0.9208

■ 0.0000, 0.0000,  
0.0000

■ 65.1571, 72.8900,  
77.6529

■ 65.1571, 72.8900,  
77.6529

■ 58.3681, 69.5095,  
72.0366

■ 72.9064, 76.7639,  
83.5748

■ 52.4935, 66.5927,  
66.7155

■ 81.6472, 81.1412,  
89.8026

■ 47.4928, 64.1209,  
61.6858

■ 84.8422, 82.6536,  
96.0353

■ 43.3198, 62.0703,  
56.9416

■ 86.0590, 83.1403,  
102.4431

■ 39.9242, 60.4151,  
52.4768

■ 86.7605, 83.4209,  
106.1368

■ 37.2497, 59.1264,  
48.2849

■ 35.2322, 58.1711,  
44.3588

■ 33.7955, 57.5102,  
40.6911

■ 32.8178, 57.0798,  
37.3153

# Harmonies

## Analogous

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



65.9907, 72.8900, 72.0817



65.1571, 72.8900, 77.6529



65.4095, 72.8900, 83.9829

# Triad

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



65.1571, 72.8900, 77.6529



70.8740, 72.8900, 91.2065



71.9381, 72.8900, 70.1718

# Complementary

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



65.1571, 72.8900, 77.6529



65.1577, 64.2720, 71.2622

# 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.



73.2997, 72.8900, 74.9192



65.1571, 72.8900, 77.6529



72.6763, 72.8900, 87.1227

# Square

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



65.1571, 72.8900, 77.6529



68.6794, 72.8900, 92.0341



73.5727, 72.8900, 81.1017



69.8836, 72.8900, 67.9151



# Rectangle

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



65.1571, 72.8900, 77.6529



66.1621, 72.8900, 87.7669



73.5727, 72.8900, 81.1017



72.4938, 72.8900, 71.5169

# Sweetspot

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



65.1592, 72.8931, 77.6545



91.8657, 98.4076, 106.5296



65.5364, 73.3055, 67.8230



19.4851, 20.9743, 22.6674



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.



65.1592, 72.8931, 77.6545



83.0075, 93.9844, 99.6356



65.3042, 71.4561, 83.0272



14.5833, 16.2467, 17.3364



19.1956, 33.3103, 22.0619



1.4619, 2.4789, 1.8591



# Inverse Universe

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



65.1577, 64.2720, 71.2622



83.0054, 80.7874, 89.8511



65.0020, 65.5365, 66.3516



14.5830, 14.4504, 16.0044



19.3474, 9.8732, 5.4584

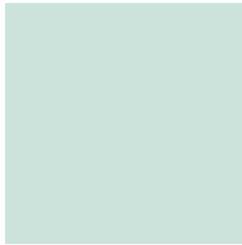


1.4723, 0.7466, 0.6279



# Previews

## White Background



This preview shows how the XYZ color 65.1571, 72.8900, 77.6529 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

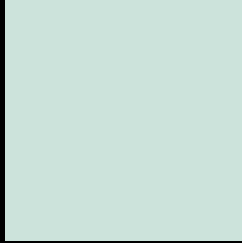
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.1571, 72.8900, 77.6529 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

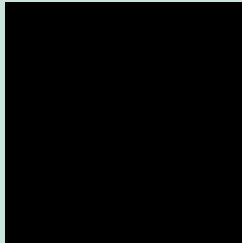
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

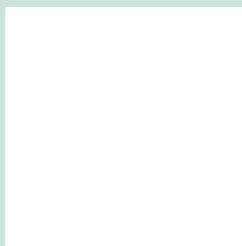
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 65.1571, 72.8900, 77.6529**

## **Background**



This preview shows how black text looks on a background with the XYZ color 65.1571, 72.8900, 77.6529.



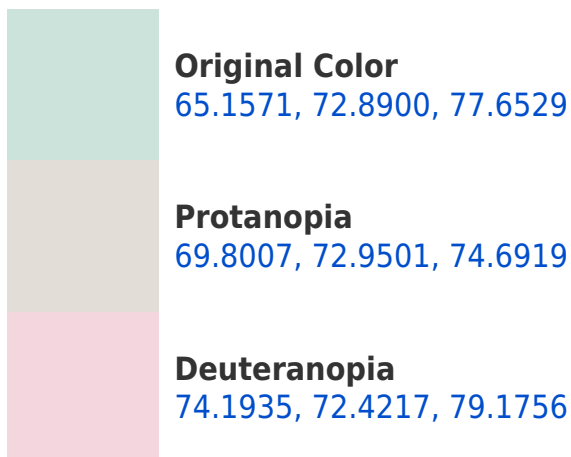
This preview shows how white text looks on a background with the XYZ color 65.1571, 72.8900, 77.6529.



# 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

68.5453, 73.0721, 93.7107

# Trichromacy



## Original Color

65.1571, 72.8900, 77.6529

## Protanomaly

67.9958, 72.7933, 75.4325

## Deuteranomaly

70.6958, 72.5415, 78.6825

## Tritanomaly

67.3653, 72.9990, 87.6305

# Monochromacy



## Original Color

65.1571, 72.8900, 77.6529

## Achromatopsia

67.3311, 70.8376, 77.1421

## Achromatomaly

66.6390, 71.6532, 77.3360

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.1571, 72.8900, 77.6529 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(204, 227, 219) looks like.

```
.text, #text, p{  
    color:rgb(204, 227, 219)  
}
```

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(204, 227, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 227, 219) }
```

## Border

The CSS property to change the border of an element to XYZ 65.1571, 72.8900, 77.6529 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(204, 227, 219) }
```



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

```
.border{ border-color:rgb(204, 227, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 227, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 227, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 227, 219);  
box-shadow:4px 4px 4px 4px rgb(204, 227,  
219) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.1571, 72.8900, 77.6529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 227, 219) }
```

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

```
.background{ background-color: rgb(204,  
227, 219) }
```

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