

# Converting Colors

XYZ(65.4034, 70.5040, 70.3754)

Have a look what the booklet for  
XYZ(65.4034, 70.5040, 70.3754)  
contains.

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# Color

**XYZ(65.4207, 70.3888,  
70.4600)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8DCD1
RGB	216, 220, 209
RGB Percent	85%, 86%, 82%
CMY	0.1529, 0.1372, 0.1804
CMYK	0.02, 0.00, 0.05, 0.14
HSL	82°, 14%, 84%
HSV	82°, 5%, 86%
XYZ	65.4207, 70.3888, 70.4600
YIQ	217.5500, 1.1470, -4.2690

# Conversions

## Conversions Part 2

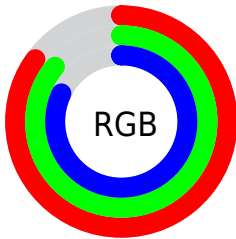
Format	Color
<a href="#">RYB</a>	<a href="#">209, 220, 213</a>
Decimal	<a href="#">14212305</a>
CIELab	<a href="#">87.19, -3.31, 4.92</a>
CIELCh	<a href="#">87, 5.927, 123.929</a>
Yxy	<a href="#">70.3888, 0.3172, 0.3412</a>
Android (android.graphics.Color)	<a href="#">4292402385 (0xFFD8DCD1)</a>
YUV	<a href="#">217.5500, -4.2151, -1.3593</a>
Hunter-Lab	<a href="#">83.8980, -7.6336, 8.9352</a>

# Details

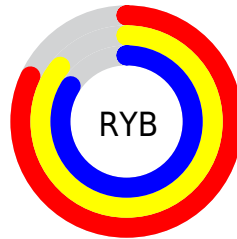
The XYZ color **65.4207, 70.3888, 70.4600** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.1622, 64.9164, 76.9150**, and the grayscale version is **66.3600, 69.8159, 76.0295**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.0695, 36.8539, 36.3282** is the 20% darker color. If you saturate the color by 10%, you get **60.5754, 68.1863, 56.9830**, and if you desaturate by 10%, it is **70.7614, 72.8073, 85.9266**.

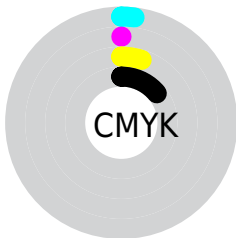
# Distribution



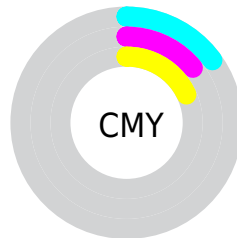
- Red (85%)
- Green (86%)
- Blue (82%)



- Red (82%)
- Yellow (86%)
- Blue (84%)



- Cyan (2%)
- Magenta (0%)
- Yellow (5%)
- Black (14%)



- Cyan (15%)
- Magenta (14%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.4207, 70.3888, 70.4600 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 65.4207, 70.3888, 70.4600 by changing the saturation by 10% instead.



■ 65.4207, 70.3888,  
70.4600

■ 65.4207, 70.3888,  
70.4600

433.8236,  
461.9140, 480.9962

■ 48.0683, 51.8436,  
51.4225

111.7168,  
119.7630, 121.5518

■ 34.0924, 36.8804,  
36.1659

141.3912,  
151.3608, 154.4431

■ 23.1278, 25.1149,  
24.2717

175.9036,  
188.0783, 192.7896

■ 14.8091, 16.1627,  
15.3212

215.6194,  
230.2998, 237.0096

■ 8.7710, 9.6393,  
8.8960

260.9040,  
278.4097, 287.5217

■ 4.6480, 5.1605,  
4.5775

312.1226,

■ 2.0749, 2.3417,

332.7924, 344.7445

1.9472

369.6407,  
393.8324, 409.0965

■ 0.6755, 0.7957,  
0.5225

■ 0.0000, 0.0000,  
0.0000

■ 65.4207, 70.3888,  
70.4600

■ 65.4207, 70.3888,  
70.4600

■ 60.5754, 68.1863,  
56.9830

■ 70.7614, 72.8073,  
85.9266

■ 56.2026, 66.1837,  
45.4101

■ 76.6077, 75.4393,  
103.4544

■ 52.2864, 64.3766,  
35.6568

■ 79.5864, 76.9379,  
105.2636

■ 48.8074, 62.7572,  
27.6299

■ 82.3650, 78.3703,  
105.3936

■ 45.7445, 61.3167,  
21.2284

■ 84.8846, 79.6692,  
105.5115

■ 43.0750, 60.0460,  
16.3406

■ 40.7730, 58.9343,  
12.8407

■ 38.8091, 57.9698,  
10.5825

■ 37.1472, 57.1378,  
9.3874

# Harmonies

## Analogous

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



66.7194, 70.3888, 69.2509



65.4207, 70.3888, 70.4600



64.5287, 70.3888, 73.3241

# Triad

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



65.4207, 70.3888, 70.4600



65.7339, 70.3888, 83.7297



69.6063, 70.3888, 76.1178

# Complementary

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



65.4207, 70.3888, 70.4600



63.1622, 64.9164, 76.9150

# Split Complementary

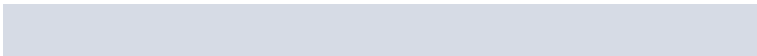
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



69.3337, 70.3888, 80.0573



65.4207, 70.3888, 70.4600



67.0859, 70.3888, 84.5399

# Square

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



65.4207, 70.3888, 70.4600



64.7077, 70.3888, 80.9967



68.4064, 70.3888, 83.1742



69.1462, 70.3888, 72.4451



# Rectangle

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



65.4207, 70.3888, 70.4600



64.2780, 70.3888, 75.8341



68.4064, 70.3888, 83.1742



69.5974, 70.3888, 77.4544

# Sweetspot

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



65.4227, 70.3918, 70.4615



93.5601, 99.3256, 104.6009



64.7829, 67.3346, 69.9051



20.0414, 21.2668, 22.4339



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.



65.4227, 70.3918, 70.4615



90.6648, 98.0127, 96.3444



63.8679, 69.5903, 70.3888



13.9815, 15.1522, 14.7515



21.4881, 33.3750, 5.3095



1.4854, 2.2103, 0.3483



# Inverse Universe

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



63.1622, 64.9164, 76.9150



86.8715, 88.8244, 107.1739



64.7395, 65.7295, 76.9888



13.3428, 13.6051, 16.5749



9.6380, 4.0927, 40.0204

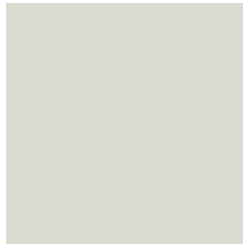


0.7171, 0.3129, 2.5971



# Previews

## White Background



This preview shows how the XYZ color 65.4207, 70.3888, 70.4600 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

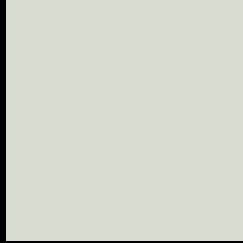
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.4207, 70.3888, 70.4600 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

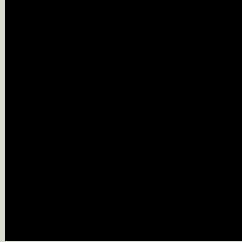
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

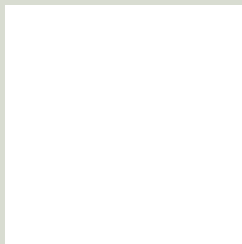
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 65.4207, 70.3888, 70.4600

## Background



This preview shows how black text looks on a background with the XYZ color 65.4207, 70.3888, 70.4600.



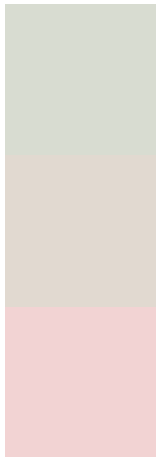
This preview shows how white text looks on a background with the XYZ color 65.4207, 70.3888,



# 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

65.4207, 70.3888, 70.4600

### Protanopia

67.2494, 70.1873, 69.6776

### Deuteranopia

71.6701, 70.1689, 71.3946



## Tritanopia

68.7790, 70.2106, 87.0177

# Trichromacy



## Original Color

65.4207, 70.3888, 70.4600

## Protanomaly

66.5808, 70.2265, 69.7204

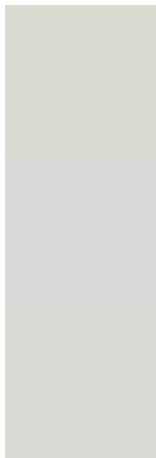
## Deuteranomaly

69.2837, 70.0699, 70.8460

## Tritanomaly

67.4808, 70.0676, 80.4888

# Monochromacy



## Original Color

65.4207, 70.3888, 70.4600

## Achromatopsia

66.6397, 70.1102, 76.3500

## Achromatomaly

66.2125, 70.3210, 74.3735

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.4207, 70.3888, 70.4600 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(216, 220, 209) looks like.

```
.text, #text, p{  
    color:rgb(216, 220, 209)  
}
```

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(216, 220, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 220, 209) }
```

## Border

The CSS property to change the border of an element to XYZ 65.4207, 70.3888, 70.4600 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(216, 220, 209) }
```



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

```
.border{ border-color:rgb(216, 220, 209) }
```

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

Here you see how a box with a 4 pixel rgb(216, 220, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 220, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 220, 209);  
box-shadow:4px 4px 4px 4px rgb(216, 220,  
209) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.4207, 70.3888, 70.4600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 220, 209) }
```

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

```
.background{ background-color: rgb(216,  
220, 209) }
```

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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