

# Converting Colors

XYZ(62.8583, 65.0336, 64.4981)

Have a look what the booklet for  
XYZ(62.8583, 65.0336, 64.4981)  
contains.

<b>XYZ(62.8583, 65.0336, 64.4981)</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(62.8583, 65.0336,  
64.4981)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DCD1C9
RGB	220, 209, 201
RGB Percent	86%, 82%, 79%
CMY	0.1373, 0.1804, 0.2118
CMYK	0.00, 0.05, 0.09, 0.14
HSL	25°, 21%, 83%
HSV	25°, 9%, 86%
XYZ	62.8583, 65.0336, 64.4981
YIQ	211.3770, 9.1240, -0.1560

# Conversions

## Conversions Part 2

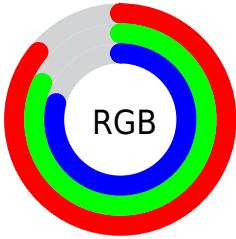
Format	Color
R <sub>Y</sub> B	220, 215, 201
Decimal	14471625
CIE Lab	84.50, 2.43, 5.31
CIE LCh	85, 5.839, 65.415
Yxy	65.0336, 0.3267, 0.3380
Android (android.graphics.Color)	4292661705 (0xFFDCD1C9)
YUV	211.3770, -5.1159, 7.5624
Hunter-Lab	80.6434, -1.9924, 9.0306

# Details

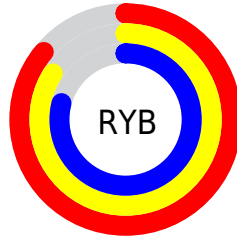
The XYZ color **62.8583, 65.0336, 64.4981** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **60.5491, 64.6708, 77.0024**, and the grayscale version is **62.1962, 65.4353, 71.2590**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **32.5049, 33.5486, 32.3661** is the 20% darker color. If you saturate the color by 10%, you get **57.4539, 58.0736, 50.8298**, and if you desaturate by 10%, it is **68.8867, 72.6469, 80.2047**.

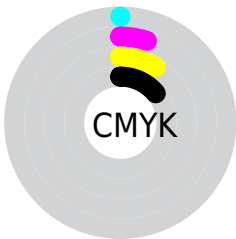
# Distribution



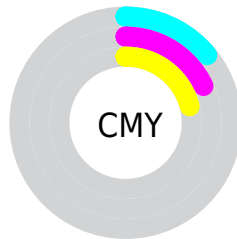
- Red (86%)
- Green (82%)
- Blue (79%)



- Red (86%)
- Yellow (84%)
- Blue (79%)



- Cyan (0%)
- Magenta (5%)
- Yellow (9%)
- Black (14%)



- Cyan (14%)
- Magenta (18%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.8583, 65.0336, 64.4981 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 62.8583, 65.0336, 64.4981 by changing the saturation by 10% instead.



■ 62.8583, 65.0336,  
64.4981

■ 62.8583, 65.0336,  
64.4981

424.7229,  
442.9127, 459.2429

■ 45.9848, 47.4883,  
46.6055

108.0480,  
112.0982, 112.9343

■ 32.4384, 33.4219,  
32.3718

137.0949,  
142.3862, 144.3150

■ 21.8537, 22.4498,  
21.3784

170.9304,  
177.6907, 181.0288

■ 13.8655, 14.1878,  
13.2070

209.9197,  
218.3960, 223.4942

■ 8.1082, 8.2514,  
7.4388

254.4283,  
264.8864, 272.1297

■ 4.2167, 4.2562,  
3.6554

304.8214,

■ 1.8254, 1.8179,

317.5464, 327.3540

1.4383

361.4645,  
376.7604, 389.5856

■ 0.5329, 0.4983,  
0.1713

■ 0.0000, 0.0000,  
0.0000

■ 62.8583, 65.0336,  
64.4981

■ 62.8583, 65.0336,  
64.4981

■ 57.4539, 58.0736,  
50.8298

■ 68.8867, 72.6469,  
80.2047

■ 52.6466, 51.7405,  
39.1110

■ 75.5541, 80.9222,  
98.0250

■ 48.4155, 46.0185,  
29.2528

■ 80.8883, 89.0813,  
107.5389

■ 44.7360, 40.8876,  
21.1574

■ 83.3256, 93.9558,  
108.3513

■ 41.5818, 36.3270,  
14.7180

■ 38.9241, 32.3142,  
9.8161

■ 36.7305, 28.8247,  
6.3172

■ 34.9639, 25.8318,  
4.0630

■ 33.5716, 23.3015,  
2.8144

# Harmonies

## Analogous

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



63.8721, 65.0336, 66.7425



62.8583, 65.0336, 64.4981



61.5769, 65.0336, 63.9200

# Triad

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



62.8583, 65.0336, 64.4981



59.3572, 65.0336, 71.4883



63.2724, 65.0336, 76.8066

# Complementary

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



62.8583, 65.0336, 64.4981



60.5491, 64.6708, 77.0024

# 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.



62.0487, 65.0336, 78.1792



62.8583, 65.0336, 64.4981



59.7976, 65.0336, 75.0406

# Square

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



62.8583, 65.0336, 64.4981



59.5672, 65.0336, 67.8737



60.7783, 65.0336, 77.5220



64.1135, 65.0336, 73.8309



# Rectangle

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



62.8583, 65.0336, 64.4981



60.7459, 65.0336, 64.5393



60.7783, 65.0336, 77.5220



62.8915, 65.0336, 77.4754

# Sweetspot

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



62.8601, 65.0364, 64.4995



92.4464, 96.7247, 102.0764



62.2969, 61.7476, 70.9784



19.6413, 20.5187, 21.4679



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

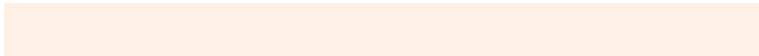


# Same Dimension

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



62.8601, 65.0364, 64.4995



86.6842, 89.4079, 87.1840



65.2383, 69.7928, 65.2922



13.5046, 13.9485, 13.7061



19.7077, 13.7010, 1.6059



1.3608, 1.0557, 0.1320

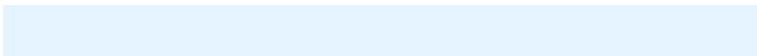


# Inverse Universe

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



60.5491, 64.6708, 77.0024



82.9512, 88.8171, 107.3792



58.2642, 60.1011, 76.2408



12.9614, 13.8626, 16.6447



12.1728, 12.2151, 41.4546

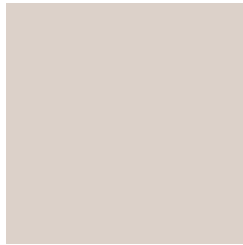


0.8732, 0.9605, 2.7138



# Previews

## White Background



This preview shows how the XYZ color 62.8583, 65.0336, 64.4981 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 62.8583, 65.0336, 64.4981 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

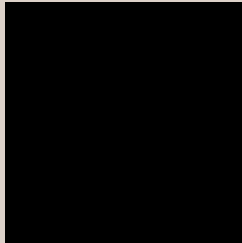
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 62.8583, 65.0336, 64.4981**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.8583, 65.0336, 64.4981.



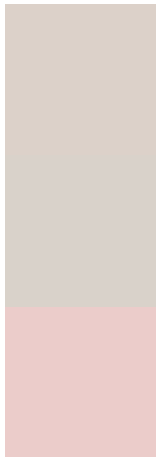
This preview shows how white text looks on a background with the XYZ color 62.8583, 65.0336,



# 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

62.8583, 65.0336, 64.4981

### Protanopia

62.3225, 65.1092, 65.1597

### Deuteranopia

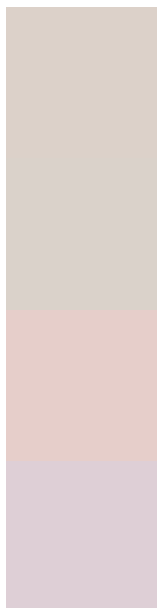
66.5145, 65.1122, 64.9393



## Tritanopia

65.6875, 65.1045, 78.2116

# Trichromacy



## Original Color

62.8583, 65.0336, 64.4981

## Protanomaly

62.6207, 65.2629, 65.1736

## Deuteranomaly

65.3651, 65.2299, 65.0226

## Tritanomaly

64.5746, 65.0103, 72.7631

# Monochromacy



## Original Color

62.8583, 65.0336, 64.4981

## Achromatopsia

61.9161, 65.1406, 70.9381

## Achromatomaly

62.0406, 64.8943, 68.2874

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.8583, 65.0336, 64.4981 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(220, 209, 201)` looks like.

```
.text, #text, p{  
    color:rgb(220, 209, 201)  
}
```

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(220, 209, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 209, 201) }
```

## Border

The CSS property to change the border of an element to XYZ 62.8583, 65.0336, 64.4981 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(220, 209, 201) }
```



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

```
.border{ border-color:rgb(220, 209, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 209, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 209, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 209, 201);  
box-shadow:4px 4px 4px 4px rgb(220, 209,  
201) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.8583, 65.0336, 64.4981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 209, 201) }
```

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

```
.background{ background-color: rgb(220,  
209, 201) }
```

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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