

Converting Colors

XYZ(63.9974, 66.0200, 69.9105)

Have a look what the booklet for
XYZ(63.9974, 66.0200, 69.9105)
contains.

XYZ(63.7686, 65.7567, 69.6529)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(63.7686, 65.7567,
69.6529)**

Conversions

Conversions Part 1

Format	Color
Hex	DBD2D1
RGB	219, 210, 209
RGB Percent	86%, 82%, 82%
CMY	0.1412, 0.1764, 0.1804
CMYK	0.00, 0.04, 0.05, 0.14
HSL	6°, 12%, 84%
HSV	6°, 5%, 86%
XYZ	63.7686, 65.7567, 69.6529
YIQ	212.5770, 5.6850, 1.5970

Conversions

Conversions Part 2

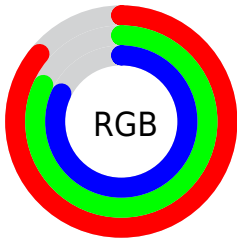
Format	Color
R _{YB}	219, 210, 209
Decimal	14406353
CIE Lab	84.87, 2.92, 1.59
CIE LCh	85, 3.327, 28.537
Yxy	65.7567, 0.3202, 0.3301
Android (android.graphics.Color)	4292596433 (0xFFDBD2D1)
YUV	212.5770, -1.7635, 5.6330
Hunter-Lab	81.0905, -1.5381, 5.8361

Details

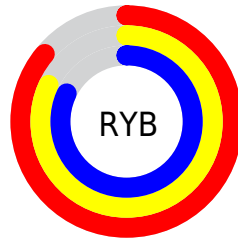
The XYZ color **63.7686, 65.7567, 69.6529** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.1519, 68.8114, 76.9194**, and the grayscale version is **62.9737, 66.2532, 72.1498**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.1147, 34.0360, 35.8346** is the 20% darker color. If you saturate the color by 10%, you get **56.6736, 55.6111, 54.8176**, and if you desaturate by 10%, it is **71.8389, 77.2548, 86.6538**.

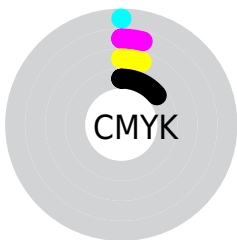
Distribution



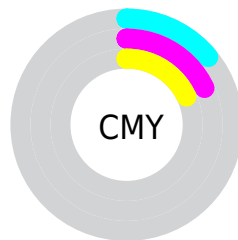
- Red (86%)
- Green (82%)
- Blue (82%)



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



- Cyan (0%)
- Magenta (4%)
- Yellow (5%)
- Black (14%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.7686, 65.7567, 69.6529 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 63.7686, 65.7567, 69.6529 by changing the saturation by 10% instead.

■ 63.7686, 65.7567,
69.6529

■ 63.7686, 65.7567,
69.6529

427.9690,
445.5063, 478.0865

■ 46.7243, 48.0749,
50.7686

109.3532,
113.1371, 120.3901

■ 33.0248, 33.8862,
35.6490

138.6242,
143.6044, 153.0800

■ 22.3047, 22.8062,
23.8757

172.7014,
179.1025, 191.2089

■ 14.1988, 14.4505,
15.0301

211.9503,
220.0155, 235.1953

■ 8.3417, 8.4346,
8.6936

256.7361,
266.7281, 285.4577

■ 4.3680, 4.3743,
4.4478

307.4243,

■ 1.9124, 1.8851,

319.6244, 342.4147

1.8741

364.3801,
379.0890, 406.4848

■ 0.5840, 0.5394,
0.4762

■ 0.0000, 0.0000,
0.0000

■ 63.7686, 65.7567,
69.6529

■ 63.7686, 65.7567,
69.6529

■ 56.6736, 55.6111,
54.8176

■ 71.8389, 77.2548,
86.6538

■ 50.5115, 46.7599,
42.0567

■ 80.9138, 90.1436,
105.8978

■ 45.2451, 39.1538,
31.2791

■ 83.0238, 93.8002,
108.3372

■ 40.8326, 32.7367,
22.3850

■ 37.2288, 27.4485,
15.2662

■ 34.3841, 23.2236,
9.8033

■ 32.2437, 19.9898,
5.8621

■ 30.7452, 17.6658,
3.2877

■ 29.8148, 16.1572,
1.8919

Harmonies

Analogous

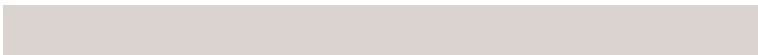
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.9449, 65.7567, 71.7028



63.7686, 65.7567, 69.6529



63.2516, 65.7567, 68.1501

Triad

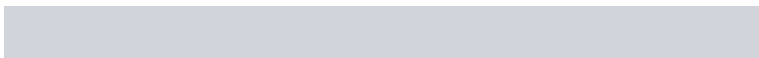
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



63.7686, 65.7567, 69.6529



61.2840, 65.7567, 69.4747



62.4632, 65.7567, 75.7843

Complementary

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



63.7686, 65.7567, 69.6529



64.1519, 68.8114, 76.9194

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.



61.7540, 65.7567, 75.1600



63.7686, 65.7567, 69.6529



61.0765, 65.7567, 71.4930

Square

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



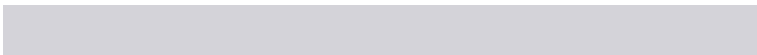
63.7686, 65.7567, 69.6529



61.8169, 65.7567, 68.0487



61.2479, 65.7567, 73.5787



63.1876, 65.7567, 75.2684

Rectangle

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



63.7686, 65.7567, 69.6529



62.7853, 65.7567, 67.6461



61.2479, 65.7567, 73.5787



62.2151, 65.7567, 75.7006

Sweetspot

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



63.7704, 65.7596, 69.6543



93.9146, 98.3819, 106.5096



64.6696, 65.7239, 75.6080



20.1136, 21.0748, 22.8226



0.0000, 0.0000, 0.0000



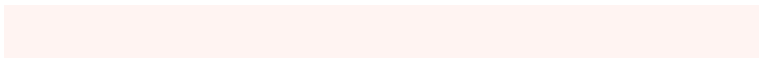
20.3446, 21.4041, 23.3091

Same Dimension

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



63.7704, 65.7596, 69.6543



89.5140, 92.1047, 97.2615



65.0233, 68.2653, 70.0719



13.7620, 14.1199, 14.8507



17.5290, 9.3436, 0.8796



1.1722, 0.6786, 0.0692

Inverse Universe

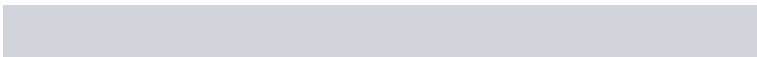
The Inverse Universe completely reimagines the original color for something new.



64.1519, 68.8114, 76.9194



90.1068, 96.8476, 108.5521



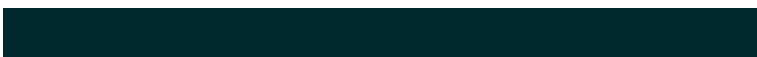
62.8758, 66.2592, 76.4940



13.8646, 14.9410, 16.8053



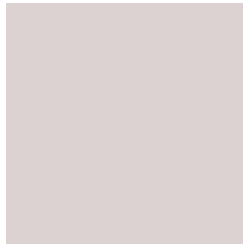
19.4688, 26.8070, 43.8866



1.2943, 1.8026, 2.8542

Previews

White Background



This preview shows how the XYZ color 63.7686, 65.7567, 69.6529 looks on a white background.

Color Contrast Check

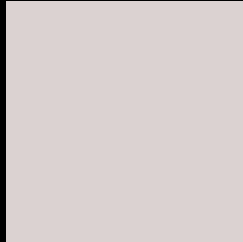
Large Text (above 18pt) WCAG AA × Fail

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 63.7686, 65.7567, 69.6529 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

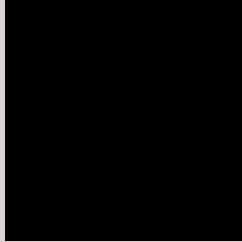
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

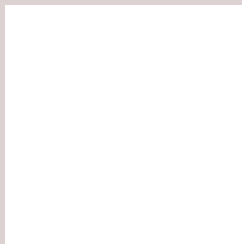
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.7686, 65.7567, 69.6529

Background



This preview shows how black text looks on a background with the XYZ color 63.7686, 65.7567, 69.6529.

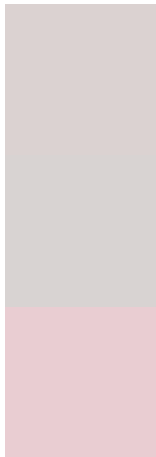


This preview shows how white text looks on a background with the XYZ color 63.7686, 65.7567,

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

63.7686, 65.7567, 69.6529

Protanopia

63.2460, 65.8406, 70.3479

Deuteranopia

67.0685, 65.6394, 70.1076



Tritanopia

65.8292, 65.8657, 79.7648

Trichromacy



Original Color

63.7686, 65.7567, 69.6529

Protanomaly

63.5424, 65.9934, 70.3617

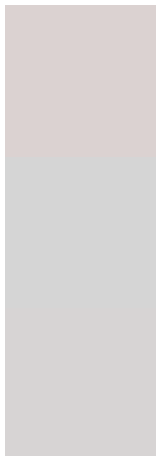
Deuteranomaly

65.9406, 65.7728, 70.1927

Tritanomaly

65.1018, 65.9310, 76.3126

Monochromacy



Original Color

63.7686, 65.7567, 69.6529

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

63.4515, 66.2875, 71.7379

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.7686, 65.7567, 69.6529 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(219, 210, 209) looks like.

```
.text, #text, p{  
    color:rgb(219, 210, 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(219, 210, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 210, 209) }
```

Border

The CSS property to change the border of an element to XYZ 63.7686, 65.7567, 69.6529 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(219, 210, 209) }
```


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

```
.border{ border-color:rgb(219, 210, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 210, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 210, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 210, 209);  
box-shadow:4px 4px 4px 4px rgb(219, 210,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 63.7686, 65.7567, 69.6529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 210, 209) }
```

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

```
.background{ background-color: rgb(219,  
210, 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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