

Converting Colors

XYZ(65.8348, 69.6077, 68.9978)

Have a look what the booklet for
XYZ(65.8348, 69.6077, 68.9978)
contains.

XYZ(65.8941, 69.5029, 68.9739)	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(65.8941, 69.5029,
68.9739)**

Conversions

Conversions Part 1

Format	Color
Hex	DDD9CF
RGB	221, 217, 207
RGB Percent	87%, 85%, 81%
CMY	0.1333, 0.1490, 0.1882
CMYK	0.00, 0.02, 0.06, 0.13
HSL	43°, 17%, 84%
HSV	43°, 6%, 87%
XYZ	65.8941, 69.5029, 68.9739
YIQ	217.0560, 5.5940, -2.2620

Conversions

Conversions Part 2

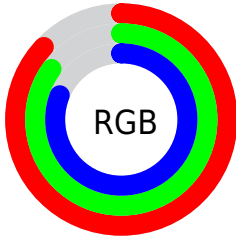
Format	Color
RYB	213, 221, 207
Decimal	14539215
CIELab	86.75, -0.37, 5.39
CIELCh	87, 5.406, 93.946
Yxy	69.5029, 0.3224, 0.3401
Android (android.graphics.Color)	4292729295 (0xFFDDD9CF)
YUV	217.0560, -4.9576, 3.4589
Hunter-Lab	83.3684, -4.8089, 9.3050

Details

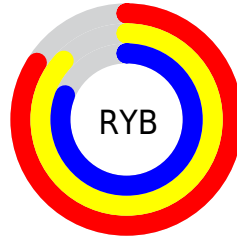
The XYZ color **65.8941, 69.5029, 68.9739** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **62.0773, 65.0732, 77.6958**, and the grayscale version is **66.0236, 69.4620, 75.6441**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.3960, 36.2476, 35.3206** is the 20% darker color. If you saturate the color by 10%, you get **61.7850, 65.3096, 55.1940**, and if you desaturate by 10%, it is **70.4475, 73.9778, 84.7694**.

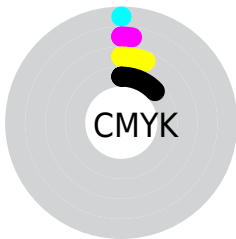
Distribution



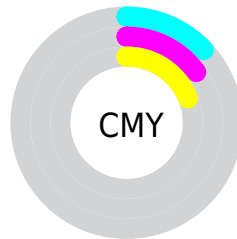
- Red (87%)
- Green (85%)
- Blue (81%)



- Red (84%)
- Yellow (87%)
- Blue (81%)



- Cyan (0%)
- Magenta (2%)
- Yellow (6%)
- Black (13%)



- Cyan (13%)
- Magenta (15%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.8941, 69.5029, 68.9739 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 65.8941, 69.5029, 68.9739 by changing the saturation by 10% instead.

■ 65.8941, 69.5029,
68.9739

■ 65.8941, 69.5029,
68.9739

435.4927,
458.8027, 475.6304

■ 48.4538, 51.1214,
50.2188

112.3929,
118.4996, 119.4116

■ 34.3992, 36.3052,
35.2149

142.1821,
149.8835, 151.9314

■ 23.3648, 24.6700,
23.5436

176.8184,
186.3704, 189.8765

■ 14.9852, 15.8314,
14.7863

216.6671,
228.3446, 233.6654

■ 8.8953, 9.4049,
8.5246

262.0935,
276.1906, 283.7167

■ 4.7295, 5.0062,
4.3399

313.4629,

■ 2.1226, 2.2509,

330.2926, 340.4489

1.8136

371.1409,
391.0352, 404.2806

■ 0.7014, 0.7475,
0.4369

■ 0.0000, 0.0000,
0.0000

■ 65.8941, 69.5029,
68.9739

■ 65.8941, 69.5029,
68.9739

■ 61.7850, 65.3096,
55.1940

■ 70.4475, 73.9778,
84.7694

■ 58.0980, 61.3813,
43.3428

■ 75.4547, 78.7325,
102.6536

■ 54.8178, 57.7129,
33.3334

■ 77.8436, 82.5414,
106.4370

■ 51.9255, 54.2957,
25.0708

■ 79.6911, 86.2364,
107.0529

■ 49.4008, 51.1206,
18.4512

■ 81.6034, 90.0609,
107.6903

■ 47.2212, 48.1772,
13.3599

■ 83.5810, 94.0162,
108.3495

■ 45.3614, 45.4543,
9.6672

■ 83.6291, 94.1123,
108.3655

■ 43.7919, 42.9388,
7.2217

■ 42.4759, 40.6149,
5.8334

Harmonies

Analogous

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



67.1286, 69.5029, 69.6223



65.8941, 69.5029, 68.9739



64.7189, 69.5029, 70.0742

Triad

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



65.8941, 69.5029, 68.9739



64.0740, 69.5029, 79.6116



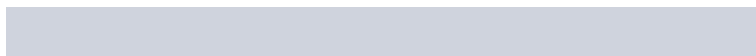
68.2575, 69.5029, 78.7605

Complementary

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



65.8941, 69.5029, 68.9739



62.0773, 65.0732, 77.6958

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.



67.4204, 69.5029, 81.5704



65.8941, 69.5029, 68.9739



65.0037, 69.5029, 82.0726

Square

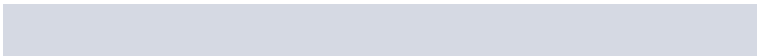
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



65.8941, 69.5029, 68.9739



63.6765, 69.5029, 76.1546



66.2270, 69.5029, 82.8006



68.5031, 69.5029, 75.2011

Rectangle

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



65.8941, 69.5029, 68.9739



64.1240, 69.5029, 71.6724



66.2270, 69.5029, 82.8006



68.0354, 69.5029, 79.8277

Sweetspot

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



65.8960, 69.5059, 68.9754



93.7771, 98.7507, 104.4785



63.9154, 64.7120, 70.8824



20.0855, 21.1499, 22.4090



0.0000, 0.0000, 0.0000



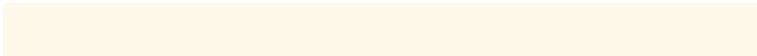
20.3446, 21.4041, 23.3091

Same Dimension

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



65.8960, 69.5059, 68.9754



90.1083, 95.0964, 91.9008



66.0930, 71.1549, 69.2833



13.8319, 14.6031, 13.8152



24.5188, 23.3232, 3.2095



1.6605, 1.6552, 0.2320

Inverse Universe

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



62.0773, 65.0732, 77.6958



83.4635, 87.3832, 107.0754



61.8863, 63.5194, 77.4060



12.6398, 13.2194, 16.5375



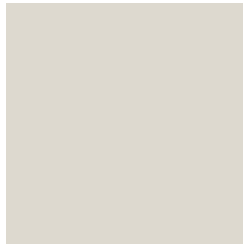
8.7004, 5.2703, 40.2971



0.6364, 0.4869, 2.6349

Previews

White Background



This preview shows how the XYZ color 65.8941, 69.5029, 68.9739 looks on a white background.

Color Contrast Check

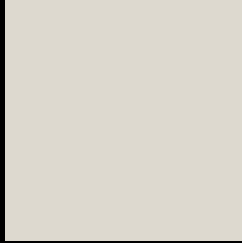
Large Text (above 18pt) WCAG AA × Fail

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 65.8941, 69.5029, 68.9739 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

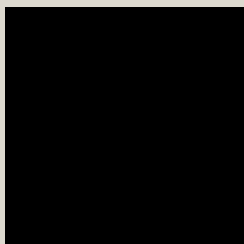
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

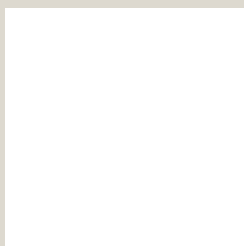
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.8941, 69.5029, 68.9739

Background



This preview shows how black text looks on a background with the XYZ color 65.8941, 69.5029, 68.9739.

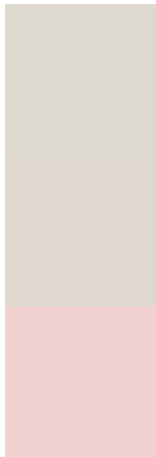


This preview shows how white text looks on a background with the XYZ color 65.8941, 69.5029,

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

65.8941, 69.5029, 68.9739

Protanopia

66.2498, 69.3047, 68.9169

Deuteranopia

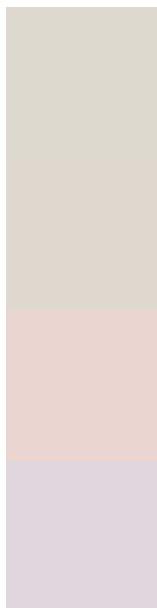
70.7074, 69.3480, 69.3333



Tritanopia

68.8176, 69.1490, 84.5829

Trichromacy



Original Color

65.8941, 69.5029, 68.9739

Protanomaly

65.9426, 69.1463, 68.9025

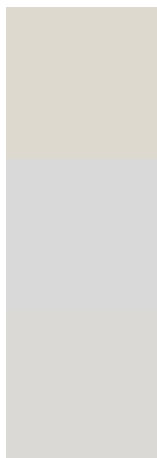
Deuteranomaly

69.1111, 69.6350, 69.4729

Tritanomaly

67.6628, 69.0550, 78.8700

Monochromacy



Original Color

65.8941, 69.5029, 68.9739

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

65.7365, 69.3352, 72.8691

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.8941, 69.5029, 68.9739 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(221, 217, 207) looks like.

```
.text, #text, p{  
    color:rgb(221, 217, 207)  
}
```

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(221, 217, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 217, 207) }
```

Border

The CSS property to change the border of an element to XYZ 65.8941, 69.5029, 68.9739 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(221, 217, 207) }
```


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

```
.border{ border-color:rgb(221, 217, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 217, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 217, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 217, 207);  
box-shadow:4px 4px 4px 4px rgb(221, 217,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 65.8941, 69.5029, 68.9739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 217, 207) }
```

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

```
.background{ background-color: rgb(221,  
217, 207) }
```

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