

Converting Colors

XYZ(68.7860, 69.0886, 65.0510)

Have a look what the booklet for
XYZ(68.7860, 69.0886, 65.0510)
contains.

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Color

**XYZ(68.6782, 69.1369,
64.9834)**

Conversions

Conversions Part 1

Format	Color
Hex	ECD4C9
RGB	236, 212, 201
RGB Percent	93%, 83%, 79%
CMY	0.0745, 0.1686, 0.2118
CMYK	0.00, 0.10, 0.15, 0.07
HSL	19°, 48%, 86%
HSV	19°, 15%, 93%
XYZ	68.6782, 69.1369, 64.9834
YIQ	217.9220, 17.8350, 1.6670

Conversions

Conversions Part 2

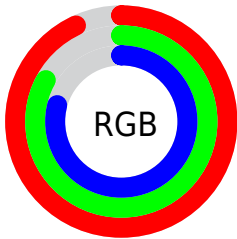
Format	Color
R _Y B	236, 217, 201
Decimal	15520969
CIE Lab	86.57, 6.55, 8.46
CIE LCh	87, 10.701, 52.237
Yxy	69.1369, 0.3387, 0.3409
Android (android.graphics.Color)	4293711049 (0xFFECD4C9)
YUV	217.9220, -8.3425, 15.8544
Hunter-Lab	83.1486, 1.9255, 11.8669

Details

The XYZ color **68.6782, 69.1369, 64.9834** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **66.1526, 72.3226, 89.8306**, and the grayscale version is **66.6355, 70.1057, 76.3451**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.1458, 35.9238, 32.6327** is the 20% darker color. If you saturate the color by 10%, you get **62.2689, 60.4247, 50.1863**, and if you desaturate by 10%, it is **75.9232, 78.8366, 82.1650**.

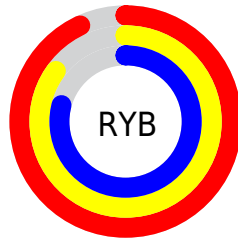
Distribution



Red (93%)

Green (83%)

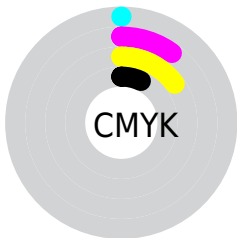
Blue (79%)



Red (93%)

Yellow (85%)

Blue (79%)

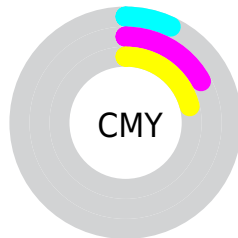


Cyan (0%)

Magenta (10%)

Yellow (15%)

Black (7%)



Cyan (7%)

Magenta (17%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.6782, 69.1369, 64.9834 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 68.6782, 69.1369, 64.9834 by changing the saturation by 10% instead.

68.6782, 69.1369,
64.9834

68.6782, 69.1369,
64.9834

445.2343,
457.5137, 461.0369

50.7254, 50.8232,
46.9964

116.3584,
117.9771, 113.6390

36.2102, 36.0679,
32.6785

146.8165,
149.2724, 145.1447

24.7675, 24.4867,
21.6111

182.1737,
185.6637, 181.9937

16.0317, 15.6950,
13.3759

222.7955,
227.5353, 224.6045

9.6376, 9.3086,
7.5541

269.0470,
275.2717, 273.3957

5.2197, 4.9430,
3.7273

321.2938,

2.4128, 2.2139,

329.2574, 328.7858

1.4770

379.9011,
389.8765, 391.1933

■ 0.8515, 0.7275,
0.2007

■ 0.0000, 0.0000,
0.0000

■ 68.6782, 69.1369,
64.9834

■ 68.6782, 69.1369,
64.9834

■ 62.2689, 60.4247,
50.1863

■ 75.9232, 78.8366,
82.1650

■ 56.6584, 52.6592,
37.6632

■ 84.0278, 89.5445,
101.8263

■ 51.8152, 45.8102,
27.3013

■ 88.4024, 96.5730,
108.5889

■ 47.7035, 39.8426,
18.9763

■ 44.2843, 34.7186,
12.5512

■ 41.5145, 30.3975,
7.8717

■ 39.3456, 26.8348,
4.7591

■ 37.7201, 23.9803,
2.9949

■ 37.0546, 22.7575,
2.4396

Harmonies

Analogous

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



70.2290, 69.1369, 70.2241



68.6782, 69.1369, 64.9834



66.3592, 69.1369, 62.5335

Triad

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



68.6782, 69.1369, 64.9834



61.0971, 69.1369, 73.4476



67.5350, 69.1369, 88.6494

Complementary

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



68.6782, 69.1369, 64.9834



66.1526, 72.3226, 89.8306

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.



65.0702, 69.1369, 89.6469



68.6782, 69.1369, 64.9834



61.3940, 69.1369, 80.5694

Square

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



68.6782, 69.1369, 64.9834



62.0120, 69.1369, 67.2159



62.8335, 69.1369, 86.6069



69.5575, 69.1369, 83.9610

Rectangle

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



68.6782, 69.1369, 64.9834



64.7063, 69.1369, 62.6974



62.8335, 69.1369, 86.6069



66.7292, 69.1369, 89.4389

Sweetspot

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



68.6801, 69.1400, 64.9849



91.2605, 94.9795, 99.7491



69.1385, 65.0707, 80.5090



19.3849, 20.1321, 20.9936



0.0000, 0.0000, 0.0000



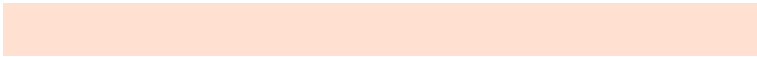
20.3446, 21.4041, 23.3091

Same Dimension

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



68.6801, 69.1400, 64.9849



79.2909, 78.9282, 71.4421



73.1548, 78.0893, 66.4764



15.4519, 15.8268, 15.7592



20.5272, 12.7485, 1.3788



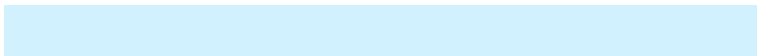
1.6952, 1.1677, 0.1360

Inverse Universe

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



66.1526, 72.3226, 89.8306



75.7005, 83.4454, 106.7245



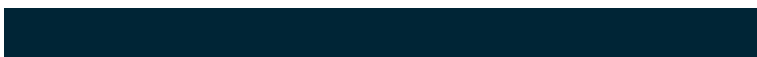
61.7845, 63.5864, 88.3746



15.0951, 16.2766, 19.2684



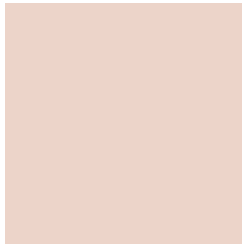
15.5691, 17.7852, 46.3553



1.3080, 1.5675, 3.6685

Previews

White Background



This preview shows how the XYZ color 68.6782, 69.1369, 64.9834 looks on a white background.

Color Contrast Check

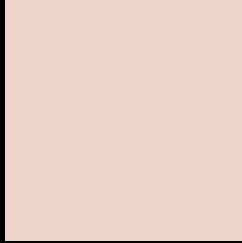
Large Text (above 18pt) WCAG AA × Fail

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 68.6782, 69.1369, 64.9834 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

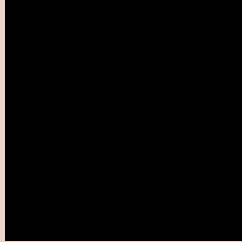
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.6782, 69.1369, 64.9834

Background



This preview shows how black text looks on a background with the XYZ color 68.6782, 69.1369, 64.9834.



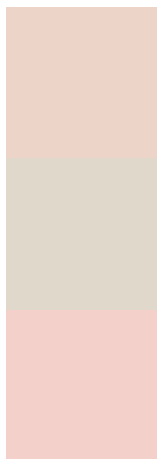
This preview shows how white text looks on a background with the XYZ color 68.6782, 69.1369,

64.9834.

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

68.6782, 69.1369, 64.9834

Protanopia

66.0758, 69.2708, 66.3879

Deuteranopia

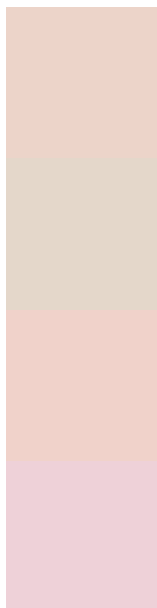
70.4233, 68.9199, 65.4683



Tritanopia

71.7431, 68.8987, 80.7517

Trichromacy



Original Color

68.6782, 69.1369, 64.9834

Protanomaly

66.9560, 69.3591, 65.7358

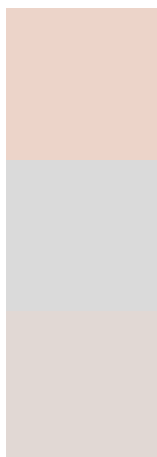
Deuteranomaly

69.6424, 68.8827, 65.5023

Tritanomaly

70.4550, 68.7359, 74.5197

Monochromacy



Original Color

68.6782, 69.1369, 64.9834

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

67.4909, 69.8728, 72.2170

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.6782, 69.1369, 64.9834 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(236, 212, 201) looks like.

```
.text, #text, p{  
    color:rgb(236, 212, 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(236, 212, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 212, 201) }
```

Border

The CSS property to change the border of an element to XYZ 68.6782, 69.1369, 64.9834 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(236, 212, 201) }
```


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

```
.border{ border-color:rgb(236, 212, 201) }
```

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

Here you see how a box with a 4 pixel rgb(236, 212, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 212, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 212, 201);  
box-shadow:4px 4px 4px 4px rgb(236, 212,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 68.6782, 69.1369, 64.9834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 212, 201) }
```

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

```
.background{ background-color: rgb(236,  
212, 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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