

Converting Colors

XYZ(68.1864, 72.6409, 50.9847)

Have a look what the booklet for
XYZ(68.1864, 72.6409, 50.9847)
contains.

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Color

**XYZ(68.1864, 72.6409,
50.9847)**

Conversions

Conversions Part 1

Format	Color
Hex	ECDDAF
RGB	236, 221, 175
RGB Percent	93%, 87%, 69%
CMY	0.0745, 0.1333, 0.3137
CMYK	0.00, 0.06, 0.26, 0.07
HSL	45°, 62%, 81%
HSV	45°, 26%, 93%
XYZ	68.1864, 72.6409, 50.9847
YIQ	220.2410, 23.7060, -11.1260

Conversions

Conversions Part 2

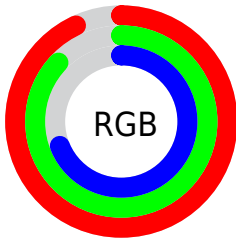
Format	Color
RYB	195, 236, 175
Decimal	15523247
CIELab	88.28, -1.87, 24.48
CIELCh	88, 24.551, 94.360
Yxy	72.6409, 0.3555, 0.3787
Android (android.graphics.Color)	4293713327 (0xFFECDDAF)
YUV	220.2410, -22.3038, 13.8206
Hunter-Lab	85.2296, -6.3462, 24.1932

Details

The XYZ color **68.1864, 72.6409, 50.9847** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **51.2327, 51.9957, 86.6932**, and the grayscale version is **68.3367, 71.8955, 78.2942**.

A 20% lighter version of the original color is **91.4238, 98.5495, 89.8047**, and **35.9715, 38.3809, 23.9247** is the 20% darker color. If you saturate the color by 10%, you get **64.5634, 68.7855, 39.3236**, and if you desaturate by 10%, it is **72.2712, 76.7708, 64.8000**.

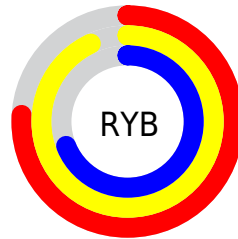
Distribution



Red (93%)

Green (87%)

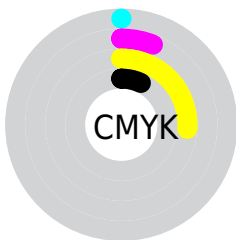
Blue (69%)



Red (76%)

Yellow (93%)

Blue (69%)

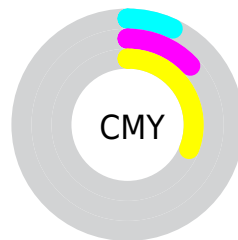


Cyan (0%)

Magenta (6%)

Yellow (26%)

Black (7%)



Cyan (7%)

Magenta (13%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.1864, 72.6409, 50.9847 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 68.1864, 72.6409, 50.9847 by changing the saturation by 10% instead.

68.1864, 72.6409,
50.9847

68.1864, 72.6409,
50.9847

443.5225,
469.7693, 407.3492

50.3236, 53.6824,
35.8198

115.6592,
122.9673, 93.0434

35.8895, 38.3478,
24.0065

145.9999,
155.1039, 120.7743

24.5185, 26.2527,
15.1262

181.2307,
192.4021, 153.5310

15.8455, 17.0128,
8.7604

221.7169,
235.2462, 191.7319

9.5051, 10.2436,
4.4905

267.8238,
284.0205, 235.7956

5.1318, 5.5608,
1.8981

319.9168,

2.3603, 2.5799,

339.1096, 286.1407

0.4915

378.3613,
400.8977, 343.1857

■ 0.8253, 0.9166,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.1864, 72.6409,
50.9847

■ 68.1864, 72.6409,
50.9847

■ 64.5634, 68.7855,
39.3236

■ 72.2712, 76.7708,
64.8000

■ 61.3750, 65.1853,
29.7009

■ 76.8324, 81.1741,
80.8679

■ 58.5995, 61.8333,
21.9970

■ 81.8904, 85.8626,
99.2866

■ 56.2111, 58.7181,
16.0776

■ 85.0565, 89.8815,
107.4736

■ 54.1803, 55.8273,
11.7913

■ 86.8317, 93.4320,
108.0654

■ 52.4730, 53.1463,
8.9611

■ 88.4022, 96.5729,
108.5889

■ 51.0474, 50.6573,
7.3688

■ 50.5101, 49.6686,
6.9248

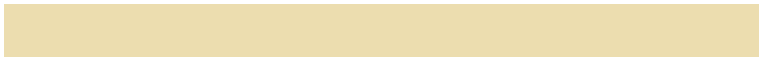
Harmonies

Analogous

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



74.0553, 72.6409, 53.3307



68.1864, 72.6409, 50.9847



62.8523, 72.6409, 55.2474

Triad

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



68.1864, 72.6409, 50.9847



60.1181, 72.6409, 98.8268



79.7534, 72.6409, 93.9592

Complementary

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



68.1864, 72.6409, 50.9847



51.2327, 51.9957, 86.6932

Split Complementary

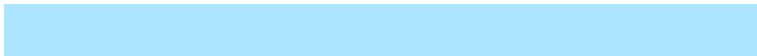
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.6274, 72.6409, 108.9703



68.1864, 72.6409, 50.9847



64.2621, 72.6409, 112.0490

Square

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



68.1864, 72.6409, 50.9847



58.3651, 72.6409, 81.5827



69.9067, 72.6409, 116.0008



80.9497, 72.6409, 76.6556

Rectangle

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



68.1864, 72.6409, 50.9847



60.2504, 72.6409, 61.6757



69.9067, 72.6409, 116.0008



78.6520, 72.6409, 99.5160

Sweetspot

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



68.1883, 72.6442, 50.9862



90.3587, 95.5971, 91.9843



59.2444, 52.2223, 55.8169



19.1608, 20.2897, 19.0508



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.



68.1883, 72.6442, 50.9862



78.9428, 84.1351, 53.1273



67.4766, 78.4195, 52.1385



16.0201, 16.9632, 15.9486



27.9488, 27.5919, 3.8527



2.2692, 2.3156, 0.3274

Inverse Universe

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



51.2327, 51.9957, 86.6932



55.5440, 55.6459, 102.4210



51.7688, 47.6964, 85.8351



14.5320, 15.1503, 19.0806



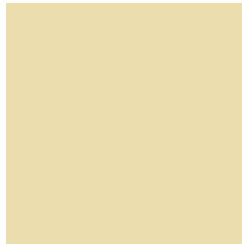
9.2652, 5.1775, 44.2540



0.8014, 0.5542, 3.4996

Previews

White Background



This preview shows how the XYZ color 68.1864, 72.6409, 50.9847 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 68.1864, 72.6409, 50.9847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

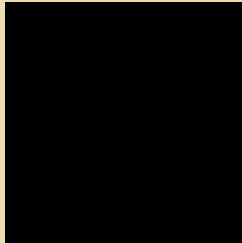
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

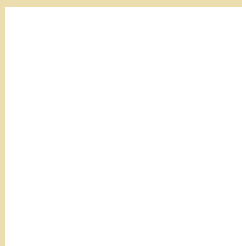
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.1864, 72.6409, 50.9847

Background



This preview shows how black text looks on a background with the XYZ color 68.1864, 72.6409, 50.9847.

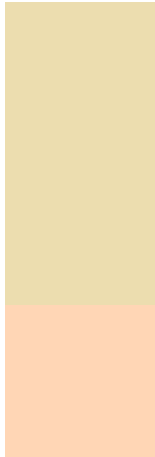


This preview shows how white text looks on a background with the XYZ color 68.1864, 72.6409,

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

68.1864, 72.6409, 50.9847

Protanopia

68.1864, 72.6409, 50.9847

Deuteranopia

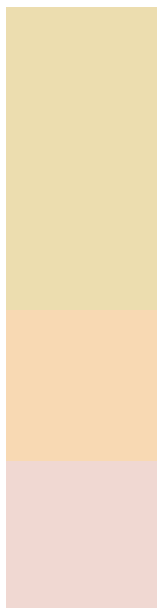
73.6271, 72.6893, 53.8659



Tritanopia

75.0393, 72.3564, 84.8741

Trichromacy



Original Color

68.1864, 72.6409, 50.9847

Protanomaly

68.1864, 72.6409, 50.9847

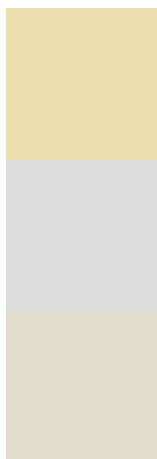
Deuteranomaly

71.6609, 72.8368, 52.9298

Tritanomaly

72.1239, 72.2901, 71.1248

Monochromacy



Original Color

68.1864, 72.6409, 50.9847

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

67.8563, 71.7148, 67.3927

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.1864, 72.6409, 50.9847 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, 221, 175)` looks like.

```
.text, #text, p{  
    color:rgb(236, 221, 175)  
}
```

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, 221, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 221, 175) }
```

Border

The CSS property to change the border of an element to XYZ 68.1864, 72.6409, 50.9847 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, 221, 175) }
```


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

```
.border{ border-color:rgb(236, 221, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 221, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 221, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 221, 175);  
box-shadow:4px 4px 4px 4px rgb(236, 221,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 68.1864, 72.6409, 50.9847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 221, 175) }
```

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

```
.background{ background-color: rgb(236,  
221, 175) }
```

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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