

# Converting Colors

XYZ(64.6367, 68.8705, 45.8434)

Have a look what the booklet for  
XYZ(64.6367, 68.8705, 45.8434)  
contains.

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# **Color**

**XYZ(64.7175, 69.0207,  
45.9877)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8D8A6
RGB	232, 216, 166
RGB Percent	91%, 85%, 65%
CMY	0.0902, 0.1529, 0.3490
CMYK	0.00, 0.07, 0.28, 0.09
HSL	45°, 59%, 78%
HSV	45°, 28%, 91%
XYZ	64.7175, 69.0207, 45.9877
YIQ	215.0840, 25.5860, -12.1580

# Conversions

## Conversions Part 2

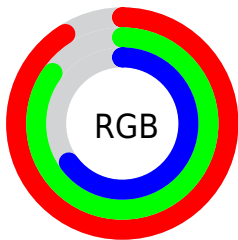
Format	Color
<a href="#">RYB</a>	<a href="#">187, 232, 166</a>
Decimal	<a href="#">15259814</a>
CIELab	<a href="#">86.51, -2.00, 26.69</a>
CIElCh	<a href="#">87, 26.766, 94.275</a>
Yxy	<a href="#">69.0207, 0.3601, 0.3840</a>
Android (android.graphics.Color)	<a href="#">4293449894</a> ( <a href="#">0xFFE8D8A6</a> )
YUV	<a href="#">215.0840, -24.1984, 14.8353</a>
Hunter-Lab	<a href="#">83.0787, -6.3380, 25.3355</a>

# Details

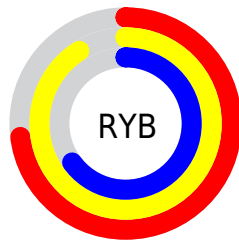
The XYZ color **64.7175, 69.0207, 45.9877** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **47.0190, 47.3878, 83.0127**, and the grayscale version is **64.7963, 68.1707, 74.2379**.

A 20% lighter version of the original color is **90.0511, 98.0005, 82.5764**, and **33.6866, 35.9347, 21.0802** is the 20% darker color. If you saturate the color by 10%, you get **61.3631, 65.4158, 35.3003**, and if you desaturate by 10%, it is **68.5087, 72.8841, 58.7163**.

# Distribution



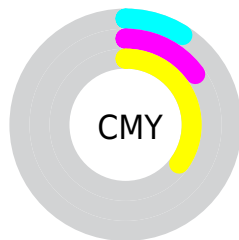
- Red (91%)
- Green (85%)
- Blue (65%)



- Red (73%)
- Yellow (91%)
- Blue (65%)



- Cyan (0%)
- Magenta (7%)
- Yellow (28%)
- Black (9%)



- Cyan (9%)
- Magenta (15%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.7175, 69.0207, 45.9877 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 64.7175, 69.0207, 45.9877 by changing the saturation by 10% instead.



■ 64.7175, 69.0207,  
45.9877

■ 64.7175, 69.0207,  
45.9877

431.3374,  
457.1040, 387.0353

■ 47.4959, 50.7286,  
31.8875

■ 110.7116,  
117.8111, 85.5347

■ 33.6374, 35.9926,  
21.0115

■ 140.2148,  
149.0782, 111.8186

■ 22.7768, 24.4285,  
12.9411

174.5425,  
185.4391, 143.0008

■ 14.5486, 15.6518,  
7.2577

214.0602,  
227.2782, 179.4998

■ 8.5874, 9.2781,  
3.5429

259.1332,  
274.9798, 221.7342

■ 4.5280, 4.9230,  
1.3781

310.1268,

■ 2.0050, 2.2022,

328.9284, 270.1226

0.1245

367.4064,  
389.5083, 325.0835

■ 0.6367, 0.7212,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 64.7175, 69.0207,  
45.9877

■ 64.7175, 69.0207,  
45.9877

■ 61.3631, 65.4158,  
35.3003

■ 68.5087, 72.8841,  
58.7163

■ 58.4190, 62.0507,  
26.5408

■ 72.7510, 77.0050,  
73.5826

■ 55.8640, 58.9185,  
19.5916

■ 77.4643, 81.3949,  
90.6820

■ 53.6724, 56.0081,  
14.3203

■ 82.0478, 85.8139,  
106.8471

■ 51.8151, 53.3072,  
10.5762

■ 83.7150, 89.1482,  
107.4028

■ 50.2579, 50.8012,  
8.1817

■ 85.4338, 92.5858,  
107.9758

■ 48.9514, 48.4695,  
6.8790

■ 87.0888, 95.8959,  
108.5274

■ 48.7603, 48.1188,  
6.7179

# Harmonies

## Analogous

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



70.9139, 69.0207, 48.3993



64.7175, 69.0207, 45.9877



59.1149, 69.0207, 50.3221

# Triad

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



64.7175, 69.0207, 45.9877



56.2358, 69.0207, 96.0656



76.9386, 69.0207, 90.9667

# Complementary

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



64.7175, 69.0207, 45.9877



47.0190, 47.3878, 83.0127

# Split Complementary

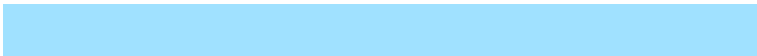
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.5474, 69.0207, 107.0425



64.7175, 69.0207, 45.9877



60.5624, 69.0207, 110.2967

# Square

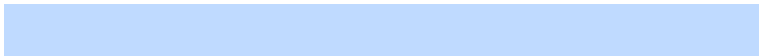
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.7175, 69.0207, 45.9877



54.4176, 69.0207, 77.7256



66.4947, 69.0207, 114.5990



78.2228, 69.0207, 72.6355



# Rectangle

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



64.7175, 69.0207, 45.9877



56.3922, 69.0207, 56.9272



66.4947, 69.0207, 114.5990



75.7639, 69.0207, 96.9019

# Sweetspot

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



64.7193, 69.0238, 45.9891



89.8239, 95.1116, 90.0053



55.4108, 47.8271, 50.8393



19.0548, 20.1942, 18.6569



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

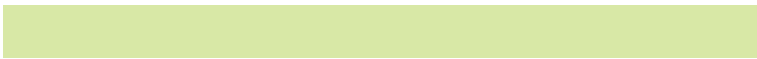
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.7193, 69.0238, 45.9891



77.7555, 82.9375, 49.1029



63.9114, 74.9896, 47.1832



15.2902, 16.1942, 15.2244



27.1727, 26.9196, 3.7638



2.0790, 2.1313, 0.3018



# Inverse Universe

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



47.0190, 47.3878, 83.0127



52.5270, 52.1071, 101.8969



47.6121, 43.1056, 82.1549



13.8651, 14.4515, 18.2030



8.9595, 4.9811, 42.8724



0.7334, 0.5108, 3.1919



# Previews

## White Background



This preview shows how the XYZ color 64.7175, 69.0207, 45.9877 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

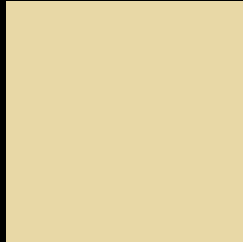
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.7175, 69.0207, 45.9877 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

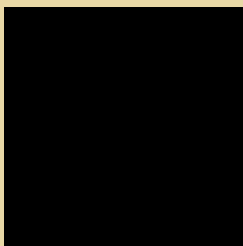
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

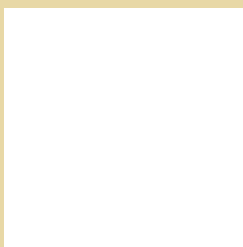
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 64.7175, 69.0207, 45.9877**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.7175, 69.0207, 45.9877.



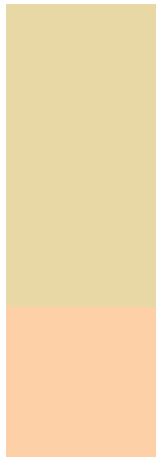
This preview shows how white text looks on a background with the XYZ color 64.7175, 69.0207,



# 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

64.7175, 69.0207, 45.9877

### Protanopia

64.3938, 68.8538, 45.9726

### Deuteranopia

70.4968, 69.0097, 46.6504



## Tritanopia

71.6070, 68.8443, 80.0352

# Trichromacy



## Original Color

64.7175, 69.0207, 45.9877

## Protanomaly

64.3938, 68.8538, 45.9726

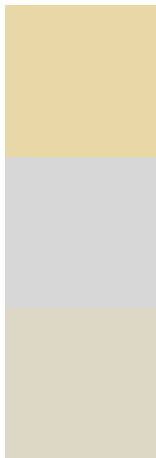
## Deuteranomaly

68.2754, 68.9714, 46.2735

## Tritanomaly

68.6658, 68.7332, 66.1477

# Monochromacy



## Original Color

64.7175, 69.0207, 45.9877

## Achromatopsia

64.5905, 67.9542, 74.0022

## Achromatomaly

64.1973, 68.0042, 62.5659

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.7175, 69.0207, 45.9877 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(232, 216, 166) looks like.

```
.text, #text, p{  
    color:rgb(232, 216, 166)  
}
```

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(232, 216, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 216, 166) }
```

## Border

The CSS property to change the border of an element to XYZ 64.7175, 69.0207, 45.9877 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(232, 216, 166) }
```



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

```
.border{ border-color:rgb(232, 216, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 216, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 216, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 216, 166);  
box-shadow:4px 4px 4px 4px rgb(232, 216,  
166) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.7175, 69.0207, 45.9877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 216, 166) }
```

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

```
.background{ background-color: rgb(232,  
216, 166) }
```

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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