

# Converting Colors

XYZ(66.6967, 70.0000, 48.8812)

Have a look what the booklet for  
XYZ(66.6967, 70.0000, 48.8812)  
contains.

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# Color

**XYZ(66.5943, 69.9232,  
49.0163)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECD8AC
RGB	236, 216, 172
RGB Percent	93%, 85%, 67%
CMY	0.0745, 0.1529, 0.3255
CMYK	0.00, 0.08, 0.27, 0.07
HSL	41°, 63%, 80%
HSV	41°, 27%, 93%
XYZ	66.5943, 69.9232, 49.0163
YIQ	216.9640, 26.0440, -9.4440

# Conversions

## Conversions Part 2

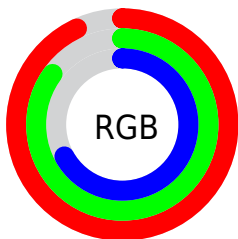
Format	Color
<a href="#">RYB</a>	<a href="#">201, 236, 172</a>
Decimal	<a href="#">15521964</a>
CIELab	<a href="#">86.96, 0.30, 24.23</a>
CIELCh	<a href="#">87, 24.236, 89.293</a>
Yxy	<a href="#">69.9232, 0.3589, 0.3769</a>
Android (android.graphics.Color)	<a href="#">4293712044 (0xFFECD8AC)</a>
YUV	<a href="#">216.9640, -22.1673, 16.6946</a>
Hunter-Lab	<a href="#">83.6201, -4.1793, 23.7795</a>

# Details

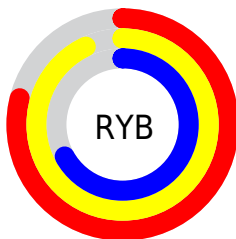
The XYZ color **66.5943, 69.9232, 49.0163** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **51.0027, 52.5244, 86.8071**, and the grayscale version is **66.0648, 69.5053, 75.6913**.

A 20% lighter version of the original color is **91.0036, 98.3814, 87.5919**, and **34.6650, 36.4054, 22.6527** is the 20% darker color. If you saturate the color by 10%, you get **62.6798, 65.4048, 37.5048**, and if you desaturate by 10%, it is **70.9997, 74.7785, 62.6788**.

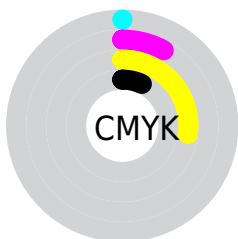
# Distribution



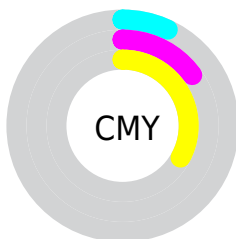
- Red (93%)
- Green (85%)
- Blue (67%)



- Red (79%)
- Yellow (93%)
- Blue (67%)



- Cyan (0%)
- Magenta (8%)
- Yellow (27%)
- Black (7%)



- Cyan (7%)
- Magenta (15%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.5943, 69.9232, 49.0163 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 66.5943, 69.9232, 49.0163 by changing the saturation by 10% instead.



66.5943, 69.9232,  
49.0163

66.5943, 69.9232,  
49.0163

437.9545,  
460.2803, 399.4308

49.0245, 51.4639,  
34.2667

113.3919,  
119.0992, 90.0969

34.8535, 36.5780,  
22.8196

143.3504,  
150.5848, 117.2650

23.7160, 24.8809,  
14.2563

178.1692,  
187.1812, 149.4097

15.2467, 15.9883,  
8.1583

218.2136,  
229.2729, 186.9495

9.0802, 9.5159,  
4.1072

263.8489,  
277.2443, 230.3030

4.8510, 5.0792,  
1.6843

315.4407,

2.1940, 2.2938,

331.4797, 279.8887

0.3500

373.3541,  
392.3636, 336.1251

■ 0.7396, 0.7704,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 66.5943, 69.9232,  
49.0163

■ 66.5943, 69.9232,  
49.0163

■ 62.6798, 65.4048,  
37.5048

■ 70.9997, 74.7785,  
62.6788

■ 59.2285, 61.2032,  
28.0274

■ 75.9115, 79.9711,  
78.5922

■ 56.2177, 57.3098,  
20.4627

■ 81.3508, 85.5139,  
96.8554

■ 53.6204, 53.7121,  
14.6744

■ 85.4454, 90.6595,  
107.6033

■ 51.4064, 50.3960,  
10.5082

■ 87.7267, 95.2221,  
108.3637

■ 49.5401, 47.3455,  
7.7829

■ 88.4021, 96.5729,  
108.5889

■ 47.9757, 44.5404,  
6.2639

■ 47.5601, 43.7688,  
5.9415

# Harmonies

## Analogous

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



72.1765, 69.9232, 52.3472



66.5943, 69.9232, 49.0163



61.2735, 69.9232, 52.0481

# Triad

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



66.5943, 69.9232, 49.0163



57.4089, 69.9232, 92.4339



76.2682, 69.9232, 93.1942

# Complementary

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



66.5943, 69.9232, 49.0163



51.0027, 52.5244, 86.8071

# Split Complementary

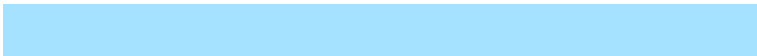
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.9310, 69.9232, 106.6974



66.5943, 69.9232, 49.0163



61.0534, 69.9232, 106.2164

# Square

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



66.5943, 69.9232, 49.0163



56.1560, 69.9232, 75.7505



66.3257, 69.9232, 111.7663



77.9529, 69.9232, 76.5198



# Rectangle

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



66.5943, 69.9232, 49.0163



58.5428, 69.9232, 57.5540



66.3257, 69.9232, 111.7663



75.0604, 69.9232, 98.3367

# Sweetspot

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



66.5961, 69.9264, 49.0178



89.9381, 94.7559, 91.8441



58.8891, 51.1563, 56.7953



19.0544, 20.0770, 19.0153



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.



66.5961, 69.9264, 49.0178



76.5156, 80.0730, 49.8760



68.2654, 78.8596, 50.6541



15.9320, 16.7869, 15.9192



26.3367, 24.3675, 3.3153



2.1533, 2.0838, 0.2887



# Inverse Universe

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



51.0027, 52.5244, 86.8071



54.8099, 55.8571, 102.5004



49.5969, 45.7195, 85.5677



14.6151, 15.3167, 19.1084



9.7872, 6.2215, 44.4280

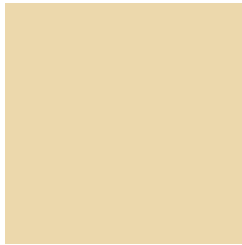


0.8516, 0.6547, 3.5164



# Previews

## White Background



This preview shows how the XYZ color 66.5943, 69.9232, 49.0163 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

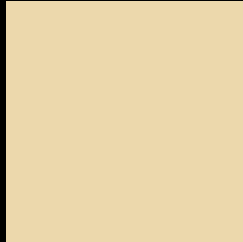
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.5943, 69.9232, 49.0163 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

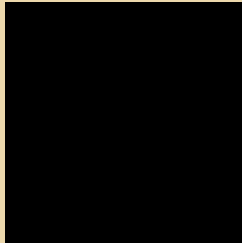
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 66.5943, 69.9232, 49.0163**

## **Background**



This preview shows how black text looks on a background with the XYZ color 66.5943, 69.9232, 49.0163.



This preview shows how white text looks on a background with the XYZ color 66.5943, 69.9232,



# 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

66.5943, 69.9232, 49.0163

### Protanopia

65.6344, 69.7986, 49.5483

### Deuteranopia

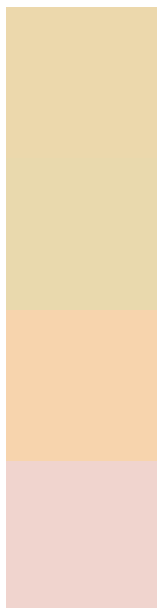
71.2163, 69.6889, 49.2330



## Tritanopia

73.0090, 69.9144, 80.8810

# Trichromacy



## Original Color

66.5943, 69.9232, 49.0163

## Protanomaly

65.9600, 69.9665, 49.5636

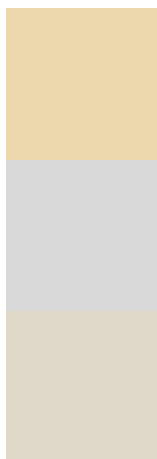
## Deuteranomaly

69.4441, 69.8783, 49.3629

## Tritanomaly

70.6192, 70.0685, 68.1951

# Monochromacy



## Original Color

66.5943, 69.9232, 49.0163

## Achromatopsia

65.9525, 69.3872, 75.5626

## Achromatomaly

66.0959, 69.6900, 65.2262

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.5943, 69.9232, 49.0163 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, 216, 172)` looks like.

```
.text, #text, p{  
    color:rgb(236, 216, 172)  
}
```

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, 216, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 216, 172) }
```

## Border

The CSS property to change the border of an element to XYZ 66.5943, 69.9232, 49.0163 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, 216, 172) }
```



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

```
.border{ border-color:rgb(236, 216, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 216, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 216, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 216, 172);  
box-shadow:4px 4px 4px 4px rgb(236, 216,  
172) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.5943, 69.9232, 49.0163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 216, 172) }
```

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

```
.background{ background-color: rgb(236,  
216, 172) }
```

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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