

# Converting Colors

XYZ(64.2932, 64.2996, 49.1271)

Have a look what the booklet for  
XYZ(64.2932, 64.2996, 49.1271)  
contains.

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# Color

**XYZ(64.1579, 64.2462,  
49.0637)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDCCA E
RGB	237, 204, 174
RGB Percent	93%, 80%, 68%
CMY	0.0706, 0.2000, 0.3176
CMYK	0.00, 0.14, 0.27, 0.07
HSL	29°, 64%, 81%
HSV	29°, 27%, 93%
XYZ	64.1579, 64.2462, 49.0637
YIQ	210.4470, 29.2980, -2.3340

# Conversions

## Conversions Part 2

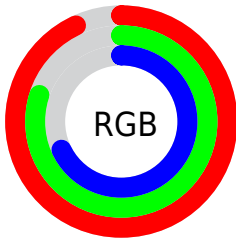
Format	Color
RYB	237, 231, 174
Decimal	15584430
CIELab	84.09, 7.17, 19.24
CIELCh	84, 20.536, 69.575
Yxy	64.2462, 0.3615, 0.3620
Android (android.graphics.Color)	4293774510 (0xFFEDCCA8)
YUV	210.4470, -17.9684, 23.2870
Hunter-Lab	80.1537, 2.6087, 19.8150

# Details

The XYZ color **64.1579, 64.2462, 49.0637** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **55.0540, 59.7372, 88.7499**, and the grayscale version is **61.6547, 64.8656, 70.6386**.

A 20% lighter version of the original color is **91.2829, 98.4932, 89.0629**, and **33.1799, 32.8965, 22.6900** is the 20% darker color. If you saturate the color by 10%, you get **59.2150, 57.7372, 37.0051**, and if you desaturate by 10%, it is **69.7470, 71.3944, 63.3503**.

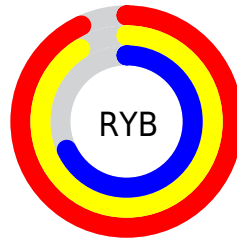
# Distribution



Red (93%)

Green (80%)

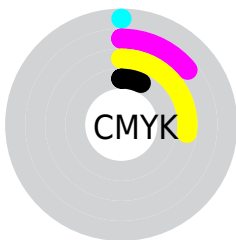
Blue (68%)



Red (93%)

Yellow (91%)

Blue (68%)

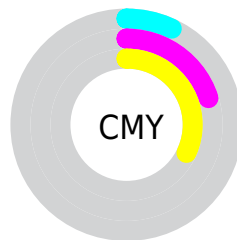


Cyan (0%)

Magenta (14%)

Yellow (27%)

Black (7%)



Cyan (7%)

Magenta (20%)


Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.1579, 64.2462, 49.0637 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 64.1579, 64.2462, 49.0637 by changing the saturation by 10% instead.





 64.1579, 64.2462,  
49.0637

 64.1579, 64.2462,  
49.0637


429.3528,  
440.0782, 399.6227

 47.0407, 46.8501,  
34.3041


 109.9108,  
110.9654, 90.1680

 33.2759, 32.9172,  
22.8480


139.2772,  
141.0574, 117.3498

 22.4982, 22.0630,  
14.2771


173.4574,  
176.1500, 149.5093

 14.3420, 13.9032,  
8.1727

212.8168,  
216.6278, 187.0652

 8.4422, 8.0534,  
4.1163

257.7206,  
262.8751, 230.4359

 4.4334, 4.1291,  
1.6894

308.5344,

 1.9501, 1.7461,

315.2764, 280.0401

0.3534

365.6233,  
374.2159, 336.2961

■ 0.6057, 0.4532,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 64.1579, 64.2462,  
49.0637

■ 64.1579, 64.2462,  
49.0637

■ 59.2150, 57.7372,  
37.0051

■ 69.7470, 71.3944,  
63.3503

■ 54.8864, 51.8392,  
27.0560

■ 76.0025, 79.1916,  
79.9674

■ 51.1447, 46.5344,  
19.0925

■ 82.9496, 87.6582,  
99.0156

■ 47.9582, 41.8008,  
12.9763

■ 88.3079, 95.8901,  
108.4620

■ 45.2914, 37.6143,  
8.5510

■ 88.7352, 96.7446,  
108.6045

■ 43.1035, 33.9484,  
5.6333

■ 41.3446, 30.7724,  
3.9932

■ 40.8164, 29.7870,  
3.5982

# Harmonies

## Analogous

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



68.0347, 64.2462, 55.2194



64.1579, 64.2462, 49.0637



59.6252, 64.2462, 48.1052

# Triad

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



64.1579, 64.2462, 49.0637



52.8632, 64.2462, 74.1897



66.7893, 64.2462, 91.0210

# Complementary

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



64.1579, 64.2462, 49.0637



55.0540, 59.7372, 88.7499

# 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.



62.5260, 64.2462, 97.5798



64.1579, 64.2462, 49.0637



54.5867, 64.2462, 87.0992

# Square

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



64.1579, 64.2462, 49.0637



53.2518, 64.2462, 61.5952



58.0714, 64.2462, 96.0620



69.6053, 64.2462, 79.0350



# Rectangle

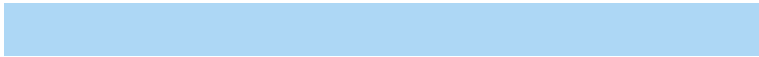
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.1579, 64.2462, 49.0637



56.8608, 64.2462, 50.4047



58.0714, 64.2462, 96.0620



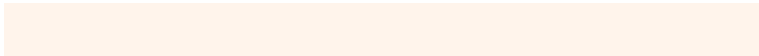
65.4696, 64.2462, 93.9970

# Sweetspot

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



64.1596, 64.2491, 49.0650



88.6234, 92.1266, 91.4059



61.3977, 52.8118, 66.3752



18.7230, 19.4142, 18.9048



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.



64.1596, 64.2491, 49.0650



72.4309, 71.5113, 49.7239



72.2452, 80.4203, 51.7602



15.6572, 16.2375, 15.8276



22.4138, 16.5218, 2.0077



1.8558, 1.4889, 0.1896



# Inverse Universe

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



55.0540, 59.7372, 88.7499



59.9631, 65.3318, 104.0576



48.2873, 46.2039, 86.4943



14.8840, 15.8545, 19.1980



12.4218, 11.4907, 45.3062

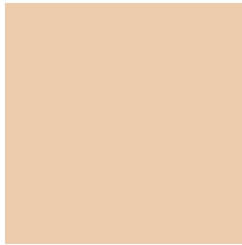


1.0717, 1.0948, 3.5897



# Previews

## White Background



This preview shows how the XYZ color 64.1579, 64.2462, 49.0637 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

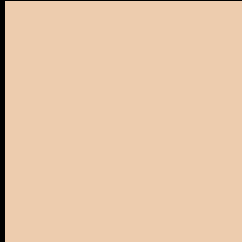
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.1579, 64.2462, 49.0637 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 64.1579, 64.2462, 49.0637**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.1579, 64.2462, 49.0637.



This preview shows how white text looks on a background with the XYZ color 64.1579, 64.2462,



# 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

64.1579, 64.2462, 49.0637

### Protanopia

60.5551, 64.1474, 50.7851

### Deuteranopia

65.7227, 64.3517, 49.0016



## Tritanopia

68.9496, 64.1205, 72.3608

# Trichromacy



## Original Color

64.1579, 64.2462, 49.0637

## Protanomaly

61.8279, 64.0911, 50.1864

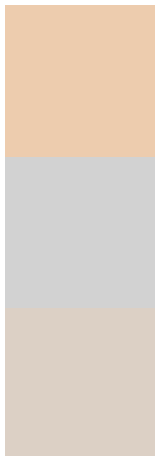
## Deuteranomaly

65.2715, 64.4686, 49.0479

## Tritanomaly

66.8983, 63.9573, 62.8519

# Monochromacy



## Original Color

64.1579, 64.2462, 49.0637

## Achromatopsia

61.2578, 64.4480, 70.1838

## Achromatomaly

62.1491, 64.3586, 61.9702

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.1579, 64.2462, 49.0637 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(237, 204, 174)` looks like.

```
.text, #text, p{  
    color:rgb(237, 204, 174)  
}
```

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(237, 204, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 204, 174) }
```

## Border

The CSS property to change the border of an element to XYZ 64.1579, 64.2462, 49.0637 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(237, 204, 174) }
```



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

```
.border{ border-color:rgb(237, 204, 174) }
```

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

Here you see how a box with a 4 pixel rgb(237, 204, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 204, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 204, 174);  
box-shadow:4px 4px 4px 4px rgb(237, 204,  
174) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.1579, 64.2462, 49.0637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 204, 174) }
```

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

```
.background{ background-color: rgb(237,  
204, 174) }
```

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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