

# Converting Colors

XYZ(64.2188, 65.2212, 48.2765)

Have a look what the booklet for  
XYZ(64.2188, 65.2212, 48.2765)  
contains.

<b>XYZ(64.3513, 65.4371, 48.2687)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(64.3513, 65.4371,  
48.2687)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECCFAC
RGB	236, 207, 172
RGB Percent	93%, 81%, 67%
CMY	0.0745, 0.1882, 0.3255
CMYK	0.00, 0.12, 0.27, 0.07
HSL	33°, 63%, 80%
HSV	33°, 27%, 93%
XYZ	64.3513, 65.4371, 48.2687
YIQ	211.6810, 28.5190, -4.7370

# Conversions

## Conversions Part 2

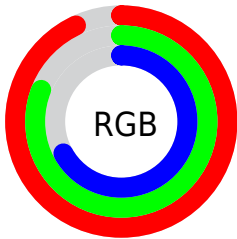
Format	Color
R <sub>Y</sub> B	225, 236, 172
Decimal	15519660
CIE Lab	84.71, 4.96, 21.14
CIE LCh	85, 21.710, 76.801
Yxy	65.4371, 0.3614, 0.3675
Android (android.graphics.Color)	4293709740 (0xFFECCFAC)
YUV	211.6810, -19.5627, 21.3278
Hunter-Lab	80.8932, 0.4353, 21.2471

# Details

The XYZ color **64.3513, 65.4371, 48.2687** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **53.0398, 56.5985, 87.4862**, and the grayscale version is **62.4814, 65.7353, 71.5858**.

A 20% lighter version of the original color is **90.8651, 98.3261, 86.8628**, and **33.3718, 33.7222, 22.5195** is the 20% darker color. If you saturate the color by 10%, you get **59.7802, 59.6055, 36.5382**, and if you desaturate by 10%, it is **69.5038, 71.7866, 62.1802**.

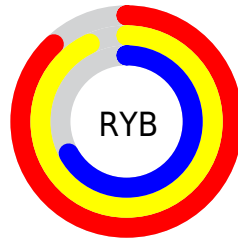
# Distribution



Red (93%)

Green (81%)

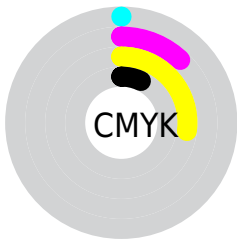
Blue (67%)



Red (88%)

Yellow (93%)

Blue (67%)

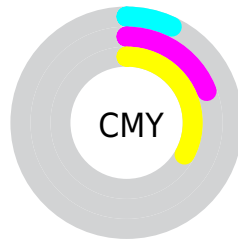


Cyan (0%)

Magenta (12%)

Yellow (27%)

Black (7%)



Cyan (7%)

Magenta (19%)


Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.3513, 65.4371, 48.2687 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 64.3513, 65.4371, 48.2687 by changing the saturation by 10% instead.




 64.3513, 65.4371,  
48.2687

 64.3513, 65.4371,  
48.2687

430.0393,  
444.3611, 396.3956

 47.1980, 47.8156,  
33.6782


 110.1876,  
112.6780, 88.9740

 33.4008, 33.6809,  
22.3712


139.6014,  
143.0663, 115.9260

 22.5944, 22.6485,  
13.9290


173.8326,  
178.4789, 147.8355

 14.4133, 14.3342,  
7.9331

213.2468,  
219.3002, 185.1211

 8.4923, 8.3535,  
3.9650

258.2092,  
265.9147, 228.2014

 4.4660, 4.3220,  
1.6062

309.0851,

 1.9690, 1.8552,

318.7067, 277.4949

0.2952

366.2401,  
378.0607, 333.4201

■ 0.6165, 0.5213,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 64.3513, 65.4371,  
48.2687

■ 64.3513, 65.4371,  
48.2687

■ 59.7802, 59.6055,  
36.5382

■ 69.5038, 71.7866,  
62.1802

■ 55.7606, 54.2673,  
26.8714

■ 75.2557, 78.6596,  
78.3737

■ 52.2674, 49.4093,  
19.1459

■ 81.6304, 86.0729,  
96.9486

■ 49.2712, 45.0136,  
13.2247

■ 86.7575, 93.2835,  
108.0407

■ 46.7389, 41.0610,  
8.9524

■ 88.4022, 96.5729,  
108.5889

■ 44.6323, 37.5300,  
6.1470

■ 42.9028, 34.3945,  
4.5729

■ 42.4531, 33.5548,  
4.2392

# Harmonies

## Analogous

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



68.8053, 65.4371, 53.4890



64.3513, 65.4371, 48.2687



59.5375, 65.4371, 48.6048

# Triad

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



64.3513, 65.4371, 48.2687



53.6832, 65.4371, 79.2574



69.2499, 65.4371, 91.1556

# Complementary

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



64.3513, 65.4371, 48.2687



53.0398, 56.5985, 87.4862

# 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.



64.9325, 65.4371, 100.0200



64.3513, 65.4371, 48.2687



56.0241, 65.4371, 92.5624

# Square

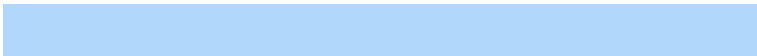
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.3513, 65.4371, 48.2687



53.5457, 65.4371, 65.3198



60.0894, 65.4371, 100.5660



71.7311, 65.4371, 77.5284



# Rectangle

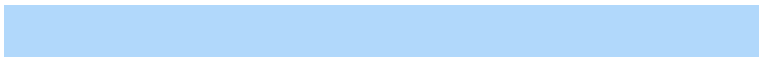
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.3513, 65.4371, 48.2687



56.7716, 65.4371, 51.9206



60.0894, 65.4371, 100.5660



67.9553, 65.4371, 94.8643

# Sweetspot

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



64.3530, 65.4401, 48.2701



89.0598, 92.9994, 91.5513



59.9900, 51.5967, 62.5924



18.8328, 19.6339, 18.9415



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.



64.3530, 65.4401, 48.2701



73.3573, 73.7564, 48.8232



71.3301, 80.4396, 50.7975



15.7483, 16.4196, 15.8580



23.5321, 18.7584, 2.3805



1.9438, 1.6649, 0.2189



# Inverse Universe

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



53.0398, 56.5985, 87.4862



57.6060, 61.4492, 103.4325



47.3789, 44.5761, 85.4640



14.7933, 15.6729, 19.1677



11.3647, 9.3765, 44.9538



0.9874, 0.9262, 3.5616



# Previews

## White Background



This preview shows how the XYZ color 64.3513, 65.4371, 48.2687 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

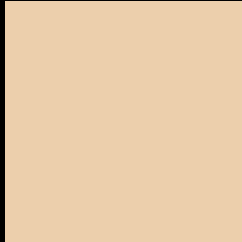
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.3513, 65.4371, 48.2687 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 64.3513, 65.4371, 48.2687**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.3513, 65.4371, 48.2687.



This preview shows how white text looks on a background with the XYZ color 64.3513, 65.4371,



# 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

64.3513, 65.4371, 48.2687

### Protanopia

61.6747, 65.4918, 49.4350

### Deuteranopia

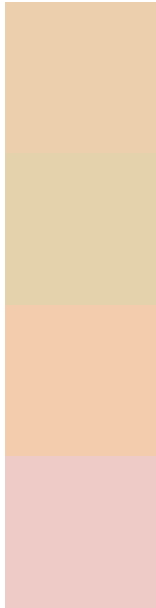
66.5549, 65.1415, 48.6009



## Tritanopia

69.5569, 65.4319, 73.9293

# Trichromacy



## Original Color

64.3513, 65.4371, 48.2687

## Protanomaly

62.5843, 65.6043, 48.8995

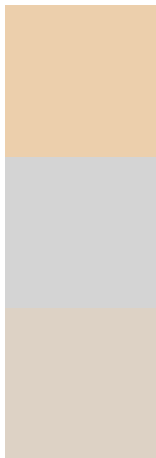
## Deuteranomaly

65.7536, 65.0801, 48.6313

## Tritanomaly

67.3779, 65.2327, 63.6836

# Monochromacy



## Original Color

64.3513, 65.4371, 48.2687

## Achromatopsia

62.5785, 65.8375, 71.6970

## Achromatomaly

62.9434, 65.4966, 62.1479

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.3513, 65.4371, 48.2687 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, 207, 172)` looks like.

```
.text, #text, p{  
    color:rgb(236, 207, 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, 207, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 207, 172) }
```

## Border

The CSS property to change the border of an element to XYZ 64.3513, 65.4371, 48.2687 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, 207, 172) }
```



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

```
.border{ border-color:rgb(236, 207, 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, 207, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 207, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 207, 172);  
box-shadow:4px 4px 4px 4px rgb(236, 207,  
172) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.3513, 65.4371, 48.2687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 207, 172) }
```

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

```
.background{ background-color: rgb(236,  
207, 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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