

# Converting Colors

XYZ(64.9411, 64.5897, 74.6373)

Have a look what the booklet for  
XYZ(64.9411, 64.5897, 74.6373)  
contains.

<b>XYZ(64.7871, 64.3604, 74.6538)</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(64.7871, 64.3604,  
74.6538)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DFCDD9
RGB	223, 205, 217
RGB Percent	87%, 80%, 85%
CMY	0.1255, 0.1961, 0.1490
CMYK	0.00, 0.08, 0.03, 0.13
HSL	320°, 22%, 84%
HSV	320°, 8%, 87%
XYZ	64.7871, 64.3604, 74.6538
YIQ	211.7500, 6.8760, 7.5480

# Conversions

## Conversions Part 2

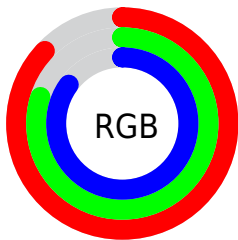
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	223, 205, 217
Decimal	14667225
CIE Lab	84.15, 8.34, -3.68
CIE LCh	84, 9.116, 336.192
Yxy	64.3604, 0.3179, 0.3158
Android (android.graphics.Color)	4292857305 (0xFFDFCDD9)
YUV	211.7500, 2.5882, 9.8663
Hunter-Lab	80.2249, 3.7573, 0.9848

# Details

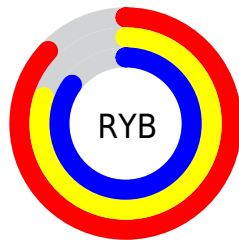
The XYZ color **64.7871, 64.3604, 74.6538** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.3248, 70.4593, 71.8938**, and the grayscale version is **62.3951, 65.6445, 71.4868**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.7366, 33.0667, 38.7868** is the 20% darker color. If you saturate the color by 10%, you get **58.8834, 54.0652, 68.0222**, and if you desaturate by 10%, it is **71.4983, 76.1991, 81.7711**.

# Distribution



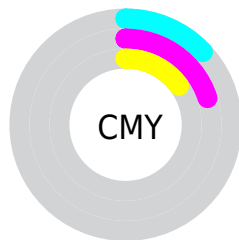
- Red (87%)
- Green (80%)
- Blue (85%)



- Red (87%)
- Yellow (80%)
- Blue (85%)



- Cyan (0%)
- Magenta (8%)
- Yellow (3%)
- Black (13%)



- Cyan (13%)
- Magenta (20%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.7871, 64.3604, 74.6538 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 64.7871, 64.3604, 74.6538 by changing the saturation by 10% instead.



64.7871, 64.3604,  
74.6538

64.7871, 64.3604,  
74.6538

431.5838,  
440.4900, 495.9504

47.5525, 46.9426,  
54.8293

110.8111,  
111.1298, 127.5648

33.6824, 32.9903,  
38.8674

140.3313,  
141.2502, 161.4883

22.8115, 22.1190,  
26.3495

174.6774,  
176.3737, 200.9486

14.5743, 13.9444,  
16.8572

214.2147,  
216.8846, 246.3642

8.6055, 8.0820,  
9.9719

259.3087,  
263.1672, 298.1537

4.5398, 4.1475,  
5.2749

310.3246,

2.0118, 1.7564,

315.6061, 356.7355

2.3479

367.6279,  
374.5855, 422.5282

■ 0.6406, 0.4598,  
0.7579

■ 0.0000, 0.0000,  
0.0000

■ 64.7871, 64.3604,  
74.6538

■ 64.7871, 64.3604,  
74.6538

■ 58.8834, 54.0652,  
68.0222

■ 71.4983, 76.1991,  
81.7711

■ 53.7492, 45.2410,  
61.8585

■ 79.0421, 89.6334,  
89.3829

■ 49.3514, 37.8217,  
56.1496

■ 81.8170, 93.4582,  
95.6254

■ 45.6525, 31.7331,  
50.8800

■ 82.9403, 93.9075,  
101.5405

■ 42.6112, 26.8940,  
46.0331

■ 84.1093, 94.3752,  
107.6964

■ 40.1822, 23.2144,  
41.5907

■ 84.2418, 94.4282,  
108.3942

■ 38.3138, 20.5919,  
37.5325

■ 36.9453, 18.9062,  
33.8350

■ 35.9906, 17.9865,  
30.4663

# Harmonies

## Analogous

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



63.4896, 64.3604, 79.4215



64.7871, 64.3604, 74.6538



65.1068, 64.3604, 68.8872

# Triad

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



64.7871, 64.3604, 74.6538



60.7556, 64.3604, 59.6127



58.0981, 64.3604, 76.8376

# Complementary

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



64.7871, 64.3604, 74.6538



63.3248, 70.4593, 71.8938

# 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.



57.4003, 64.3604, 71.2815



64.7871, 64.3604, 74.6538



58.9127, 64.3604, 61.4968

# Square

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



64.7871, 64.3604, 74.6538



62.7503, 64.3604, 60.4059



57.6952, 64.3604, 65.6922



59.6216, 64.3604, 80.7300



# Rectangle

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



64.7871, 64.3604, 74.6538



64.7163, 64.3604, 65.2920



57.6952, 64.3604, 65.6922



57.7607, 64.3604, 75.0913

# Sweetspot

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



64.7889, 64.3632, 74.6552



93.1720, 96.6800, 106.9294



62.0171, 62.8425, 78.6740



19.9623, 20.7283, 22.9081



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.



64.7889, 64.3632, 74.6552



86.1090, 84.2602, 99.3158



63.6501, 63.9077, 68.6582



14.0906, 13.8539, 16.2473



21.1211, 10.5154, 17.8353



1.5050, 0.7453, 1.4523



# Inverse Universe

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



64.7889, 64.3632, 74.6552



86.1090, 84.2602, 99.3158



64.4848, 70.9233, 78.0023



14.0906, 13.8539, 16.2473



21.1211, 10.5154, 17.8353

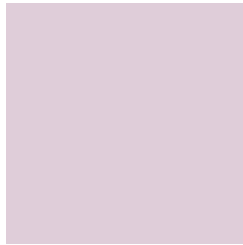


1.5050, 0.7453, 1.4523



# Previews

## White Background



This preview shows how the XYZ color 64.7871, 64.3604, 74.6538 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

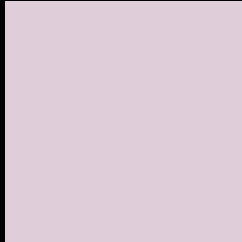
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.7871, 64.3604, 74.6538 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

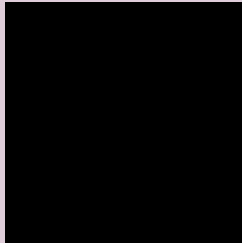
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 64.7871, 64.3604, 74.6538**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.7871, 64.3604, 74.6538.



This preview shows how white text looks on a background with the XYZ color 64.7871, 64.3604,



# 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

64.7871, 64.3604, 74.6538

### Protanopia

62.4506, 64.5643, 76.1885

### Deuteranopia

65.7958, 64.5264, 74.6327



## Tritanopia

65.3845, 64.2535, 77.3626

# Trichromacy



## Original Color

64.7871, 64.3604, 74.6538

## Protanomaly

63.2351, 64.6208, 75.4699

## Deuteranomaly

65.4813, 64.3642, 74.6179

## Tritanomaly

65.2516, 64.2003, 76.6629

# Monochromacy



## Original Color

64.7871, 64.3604, 74.6538

## Achromatopsia

62.5785, 65.8375, 71.6970

## Achromatomaly

63.2570, 65.0549, 72.8412

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.7871, 64.3604, 74.6538 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(223, 205, 217)` looks like.

```
.text, #text, p{  
    color:rgb(223, 205, 217)  
}
```

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(223, 205, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 205, 217) }
```

## Border

The CSS property to change the border of an element to XYZ 64.7871, 64.3604, 74.6538 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(223, 205, 217) }
```



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

```
.border{ border-color:rgb(223, 205, 217) }
```

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

Here you see how a box with a 4 pixel rgb(223, 205, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 205, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 205, 217);  
box-shadow:4px 4px 4px 4px rgb(223, 205,  
217) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.7871, 64.3604, 74.6538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 205, 217) }
```

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

```
.background{ background-color: rgb(223,  
205, 217) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor