

# Converting Colors

XYZ(64.7855, 62.6830, 76.4458)

Have a look what the booklet for  
XYZ(64.7855, 62.6830, 76.4458)  
contains.

<b>XYZ(64.6239, 62.4834, 76.3646)</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(64.6239, 62.4834,  
76.3646)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E1C8DC
RGB	225, 200, 220
RGB Percent	88%, 78%, 86%
CMY	0.1176, 0.2157, 0.1372
CMYK	0.00, 0.11, 0.02, 0.12
HSL	312°, 29%, 83%
HSV	312°, 11%, 88%
XYZ	64.6239, 62.4834, 76.3646
YIQ	209.7550, 8.4800, 11.5200

# Conversions

## Conversions Part 2

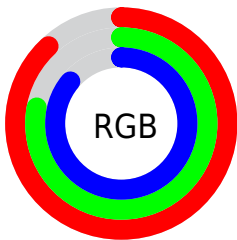
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	225, 200, 220
Decimal	14797020
CIE Lab	83.17, 12.21, -6.71
CIE LCh	83, 13.932, 331.199
Yxy	62.4834, 0.3176, 0.3071
Android (android.graphics.Color)	4292987100 (0xFFE1C8DC)
YUV	209.7550, 5.0508, 13.3699
Hunter-Lab	79.0464, 7.6002, -1.9459

# Details

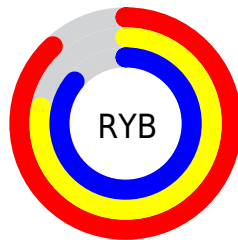
The XYZ color **64.6239, 62.4834, 76.3646** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **61.7665, 70.5393, 68.1210**, and the grayscale version is **61.0635, 64.2435, 69.9612**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.6480, 31.8204, 39.9658** is the 20% darker color. If you saturate the color by 10%, you get **59.2041, 52.5840, 71.6570**, and if you desaturate by 10%, it is **70.8303, 73.9283, 81.4150**.

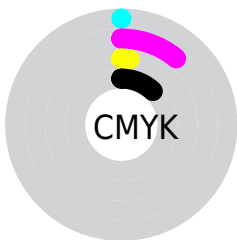
# Distribution



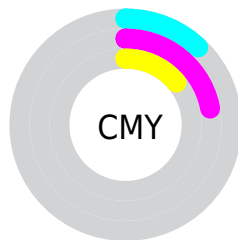
- Red (88%)
- Green (78%)
- Blue (86%)



- Red (88%)
- Yellow (78%)
- Blue (86%)



- Cyan (0%)
- Magenta (11%)
- Yellow (2%)
- Black (12%)



- Cyan (12%)
- Magenta (22%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.6239, 62.4834, 76.3646 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 64.6239, 62.4834, 76.3646 by changing the saturation by 10% instead.



64.6239, 62.4834,  
76.3646

64.6239, 62.4834,  
76.3646

431.0058,  
433.6922, 501.9749

47.4197, 45.4234,  
56.2231

110.5777,  
108.4239, 130.0070

33.5769, 31.7911,  
39.9766

140.0580,  
138.0731, 164.3449

22.7301, 21.2020,  
27.2067

174.3612,  
172.6876, 204.2520

14.5140, 13.2717,  
17.4947

213.8524,  
212.6517, 250.1469

8.5631, 7.6159,  
10.4221

258.8971,  
258.3499, 302.4481

4.5121, 3.8502,  
5.5705

309.8607,

1.9957, 1.5901,

310.1664, 361.5742

2.5212

367.1085,  
368.4857, 427.9436

■ 0.6316, 0.3509,  
0.8514

■ 0.0000, 0.0000,  
0.0000

■ 64.6239, 62.4834,  
76.3646

■ 64.6239, 62.4834,  
76.3646

■ 59.2041, 52.5840,  
71.6570

■ 70.8303, 73.9283,  
81.4150

■ 54.5318, 44.1552,  
67.2765

■ 77.8491, 86.9732,  
86.8154

■ 50.5730, 37.1281,  
63.2117

■ 81.5919, 93.4398,  
91.2040

■ 47.2887, 31.4248,  
59.4491

■ 82.2451, 93.7011,  
94.6439

■ 44.6361, 26.9602,  
55.9737

■ 82.9149, 93.9690,  
98.1708

■ 42.5676, 23.6390,  
52.7691

■ 83.6013, 94.2436,  
101.7854

■ 41.0284, 21.3520,  
49.8164

■ 84.3045, 94.5249,  
105.4883

■ 39.9532, 19.9687,  
47.0930

■ 84.8618, 94.7478,  
108.4232

■ 39.2893, 19.3028,  
44.8314

# Harmonies

## Analogous

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



62.4477, 62.4834, 83.2737



64.6239, 62.4834, 76.3646



65.3855, 62.4834, 67.6865

# Triad

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



64.6239, 62.4834, 76.3646



59.2672, 62.4834, 52.7246



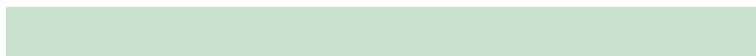
54.5587, 62.4834, 77.0173

# Complementary

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



64.6239, 62.4834, 76.3646



61.7665, 70.5393, 68.1210

# 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.



53.7701, 62.4834, 68.3823



64.6239, 62.4834, 76.3646



56.4311, 62.4834, 54.7768

# Square

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



64.6239, 62.4834, 76.3646



62.2304, 62.4834, 54.4763



54.4440, 62.4834, 60.3320



56.6347, 62.4834, 83.6725



# Rectangle

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



64.6239, 62.4834, 76.3646



64.9688, 62.4834, 62.1956



54.4440, 62.4834, 60.3320



54.1375, 62.4834, 74.2264

# Sweetspot

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



64.6257, 62.4861, 76.3659



92.4125, 95.1176, 106.8102



59.4243, 59.7270, 79.6317



19.6327, 20.0868, 22.7438



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.



64.6257, 62.4861, 76.3659



84.3220, 80.2231, 100.1476



63.0315, 61.8484, 67.9709



14.1714, 13.8862, 16.6726



22.6826, 11.1400, 26.0581



1.6025, 0.7843, 1.9654



# Inverse Universe

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



64.6257, 62.4861, 76.3659



84.3220, 80.2231, 100.1476



63.3363, 71.1672, 76.3874



14.1714, 13.8862, 16.6726



22.6826, 11.1400, 26.0581

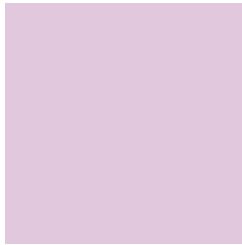


1.6025, 0.7843, 1.9654



# Previews

## White Background



This preview shows how the XYZ color 64.6239, 62.4834, 76.3646 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

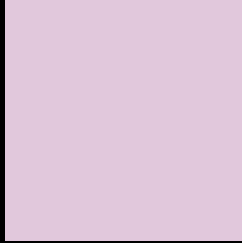
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.6239, 62.4834, 76.3646 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 64.6239, 62.4834, 76.3646**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.6239, 62.4834, 76.3646.



This preview shows how white text looks on a background with the XYZ color 64.6239, 62.4834,



# 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

64.6239, 62.4834, 76.3646

### Protanopia

60.9795, 62.6462, 79.3990

### Deuteranopia

63.9291, 62.4702, 76.3987



## Tritanopia

64.0218, 62.5784, 73.6703

# Trichromacy



## Original Color

64.6239, 62.4834, 76.3646

## Protanomaly

62.3527, 62.6596, 78.6202

## Deuteranomaly

64.2363, 62.6286, 76.4130

## Tritanomaly

64.1515, 62.6303, 74.3534

# Monochromacy



## Original Color

64.6239, 62.4834, 76.3646

## Achromatopsia

61.2578, 64.4480, 70.1838

## Achromatomaly

62.2332, 63.4447, 72.5843

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.6239, 62.4834, 76.3646 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(225, 200, 220)` looks like.

```
.text, #text, p{  
    color:rgb(225, 200, 220)  
}
```

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(225, 200, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 200, 220) }
```

## Border

The CSS property to change the border of an element to XYZ 64.6239, 62.4834, 76.3646 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(225, 200, 220) }
```



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

```
.border{ border-color:rgb(225, 200, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 200, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 200, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 200, 220);  
box-shadow:4px 4px 4px 4px rgb(225, 200,  
220) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.6239, 62.4834, 76.3646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 200, 220) }
```

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

```
.background{ background-color: rgb(225,  
200, 220) }
```

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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