

# Converting Colors

XYZ(40.7419, 31.6437, 23.6992)

Have a look what the booklet for  
XYZ(40.7419, 31.6437, 23.6992)  
contains.

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# Color

**XYZ(40.7419, 31.6437,  
23.6992)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DC7E7E
RGB	220, 126, 126
RGB Percent	86%, 49%, 49%
CMY	0.1373, 0.5059, 0.5059
CMYK	0.00, 0.43, 0.43, 0.14
HSL	0°, 57%, 68%
HSV	0°, 43%, 86%
XYZ	40.7419, 31.6437, 23.6992
YIQ	154.1060, 56.0240, 19.9280

# Conversions

## Conversions Part 2

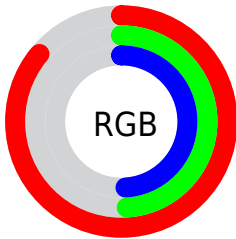
Format	Color
R <sub>Y</sub> B	220, 126, 126
Decimal	14450302
CIE Lab	63.05, 36.28, 15.98
CIE LCh	63, 39.640, 23.777
Yxy	31.6437, 0.4240, 0.3293
Android (android.graphics.Color)	4292640382 (0xFFDC7E7E)
YUV	154.1060, -13.8563, 57.7890
Hunter-Lab	56.2527, 30.8391, 14.3981

# Details

The XYZ color **40.7419, 31.6437, 23.6992** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **47.1143, 60.7864, 76.9597**, and the grayscale version is **30.8042, 32.4084, 35.2928**.

A 20% lighter version of the original color is **65.6979, 57.1572, 50.2176**, and **18.7559, 13.2494, 8.5900** is the 20% darker color. If you saturate the color by 10%, you get **36.9649, 26.1172, 16.1899**, and if you desaturate by 10%, it is **45.4512, 38.5351, 33.0599**.

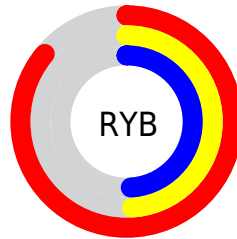
# Distribution



Red (86%)

Green (49%)

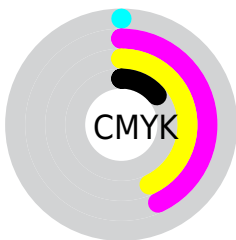
Blue (49%)



Red (86%)

Yellow (49%)

Blue (49%)

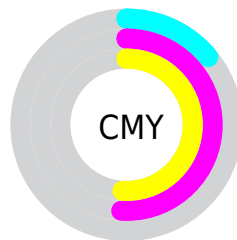


Cyan (0%)

Magenta (43%)

Yellow (43%)

Black (14%)



Cyan (14%)

Magenta (51%)


Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7419, 31.6437, 23.6992 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 40.7419, 31.6437, 23.6992 by changing the saturation by 10% instead.





 40.7419, 31.6437,  
23.6992


 40.7419, 31.6437,  
23.6992


340.3218,  
309.4930, 284.5336


 28.3042, 21.0895,  
14.9005


 75.5691, 62.2521,  
50.4766

 18.6968, 13.1894,  
8.6037

 98.6894, 83.0751,  
69.2923

 11.5541, 7.5591,  
4.3904


 126.1013,  
108.0898, 92.2841

 6.5108, 3.8142,  
1.8418

158.1701,  
137.6806, 119.8706

 3.2017, 1.5702,  
0.4553

195.2612,  
172.2320, 152.4702

 1.2613, 0.3374,  
0.0000

237.7399,

 0.1540, 0.0000,

212.1282, 190.5016

0.0000

285.9717,  
257.7537, 234.3832

■ 0.0000, 0.0000,  
0.0000

■ 40.7419, 31.6437,  
23.6992

■ 40.7419, 31.6437,  
23.6992

■ 36.9649, 26.1172,  
16.1899

■ 45.4512, 38.5351,  
33.0599

■ 34.0561, 21.8607,  
10.4075

■ 51.1463, 46.8688,  
44.3816

■ 31.9471, 18.7746,  
6.2152

■ 57.8798, 56.7218,  
57.7675

■ 30.5584, 16.7425,  
3.4548

■ 65.6997, 68.1644,  
73.3132

■ 29.7941, 15.6240,  
1.9357

■ 74.6510, 81.2627,  
91.1083

■ 29.5152, 15.2159,  
1.3813

■ 83.3251, 93.9556,  
108.3513

# Harmonies

## Analogous

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



41.7655, 31.6437, 37.8172



40.7419, 31.6437, 23.6992



36.7159, 31.6437, 15.4469

# Triad

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



40.7419, 31.6437, 23.6992



22.3778, 31.6437, 19.5675



28.9528, 31.6437, 73.8159

# Complementary

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



40.7419, 31.6437, 23.6992



47.1143, 60.7864, 76.9597

# 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.



24.2899, 31.6437, 64.8440



40.7419, 31.6437, 23.6992



20.8012, 31.6437, 31.2975

# Square

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



40.7419, 31.6437, 23.6992



26.0394, 31.6437, 13.6156



21.4564, 31.6437, 48.0529



34.5104, 31.6437, 69.9393



# Rectangle

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



40.7419, 31.6437, 23.6992



33.1054, 31.6437, 12.8990



21.4564, 31.6437, 48.0529



27.2380, 31.6437, 72.1338

# Sweetspot

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



40.7427, 31.6453, 23.6998



80.4867, 78.6898, 79.9484



49.8943, 35.3049, 71.8947



16.7544, 16.1507, 16.1719



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.



40.7427, 31.6453, 23.6998



52.2667, 37.3958, 23.8486



48.2247, 46.6092, 26.1938



13.0561, 13.0517, 13.5567



17.3223, 8.9301, 0.8107



1.1222, 0.5786, 0.0525



# Inverse Universe

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



47.1143, 60.7864, 76.9597



62.2578, 83.0916, 107.3647



36.4662, 39.4903, 73.4103



13.4449, 14.8295, 16.8059



22.6001, 33.0697, 44.9303



1.4642, 2.1425, 2.9108



# Previews

## White Background



This preview shows how the XYZ color 40.7419, 31.6437, 23.6992 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 40.7419, 31.6437, 23.6992 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 40.7419, 31.6437, 23.6992**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.7419, 31.6437, 23.6992.



This preview shows how white text looks on a background with the XYZ color 40.7419, 31.6437,



# 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

40.7419, 31.6437, 23.6992

### Protanopia

30.3495, 32.0175, 29.0065

### Deuteranopia

32.3067, 31.7376, 22.8356



## Tritanopia

41.4555, 31.7606, 26.4997

# Trichromacy



## Original Color

40.7419, 31.6437, 23.6992

## Protanomaly

33.1816, 31.1899, 26.8257

## Deuteranomaly

34.8001, 31.2328, 22.9333

## Tritanomaly

41.2491, 31.6781, 25.4131

# Monochromacy



## Original Color

40.7419, 31.6437, 23.6992

## Achromatopsia

30.7148, 32.3143, 35.1903

## Achromatomaly

33.3674, 31.4251, 30.6926

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.7419, 31.6437, 23.6992 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(220, 126, 126)` looks like.

```
.text, #text, p{  
    color:rgb(220, 126, 126)  
}
```

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(220, 126, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 126, 126) }
```

## Border

The CSS property to change the border of an element to XYZ 40.7419, 31.6437, 23.6992 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(220, 126, 126) }
```



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

```
.border{ border-color:rgb(220, 126, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 126, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(220, 126, 126); -webkit-box-shadow:4px 4px 4px 4px rgb(220, 126, 126); box-shadow:4px 4px 4px 4px rgb(220, 126, 126) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.7419, 31.6437, 23.6992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 126, 126) }
```

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

```
.background{ background-color: rgb(220,  
126, 126) }
```

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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