

# Converting Colors

XYZ(37.7464, 24.9003, 63.0603)

Have a look what the booklet for  
XYZ(37.7464, 24.9003, 63.0603)  
contains.

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# Color

**XYZ(37.8040, 24.9243,  
63.1400)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C064D1
RGB	192, 100, 209
RGB Percent	75%, 39%, 82%
CMY	0.2471, 0.6078, 0.1804
CMYK	0.08, 0.52, 0.00, 0.18
HSL	291°, 54%, 61%
HSV	291°, 52%, 82%
XYZ	37.8040, 24.9243, 63.1400
YIQ	139.9340, 19.8430, 53.4030

# Conversions

## Conversions Part 2

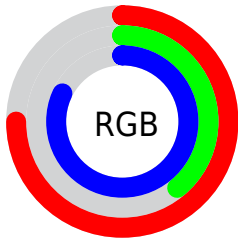
Format	Color
R <sub>Y</sub> B	192, 100, 209
Decimal	12608721
CIE Lab	57.00, 53.05, -40.92
CIE LCh	57, 66.992, 322.356
Yxy	24.9243, 0.3003, 0.1980
Android (android.graphics.Color)	4290798801 (0xFFC064D1)
YUV	139.9340, 34.0495, 45.6619
Hunter-Lab	49.9242, 47.7977, -40.0381

# Details

The XYZ color **37.8040, 24.9243, 63.1400** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **32.4377, 50.3036, 20.0577**, and the grayscale version is **24.7692, 26.0592, 28.3784**.

A 20% lighter version of the original color is **69.0299, 50.6552, 100.7469**, and **16.9631, 9.5213, 31.5156** is the 20% darker color. If you saturate the color by 10%, you get **35.2345, 20.9964, 62.5176**, and if you desaturate by 10%, it is **40.9077, 29.8920, 63.9357**.

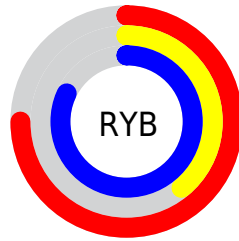
# Distribution



Red (75%)

Green (39%)

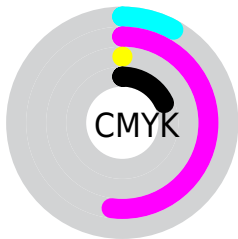
Blue (82%)



Red (75%)

Yellow (39%)

Blue (82%)

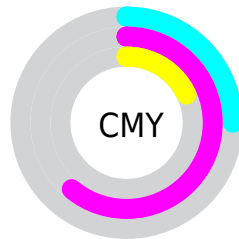


Cyan (8%)

Magenta (52%)

Yellow (0%)

Black (18%)



Cyan (25%)

Magenta (61%)

Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8040, 24.9243, 63.1400 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 37.8040, 24.9243, 63.1400 by changing the saturation by 10% instead.



37.8040, 24.9243,  
63.1400

37.8040, 24.9243,  
63.1400

328.0738,  
277.4607, 454.1993

26.0071, 16.0207,  
45.5128

71.1135, 51.5344,  
110.9590

16.9617, 9.5388,  
31.5156

93.3568, 70.0096,  
141.9878

10.3023, 5.0942,  
20.7300

119.8129, 92.4442,  
178.3209

5.6637, 2.3027,  
12.7375

150.8473,  
119.2225, 220.3768

2.6804, 0.7751,  
7.1194

186.8252,  
150.7289, 268.5741

0.9871, 0.0000,  
3.4573

228.1120,

0.0000, 0.0000,

187.3478, 323.3312

1.3326

275.0731,  
229.4636, 385.0668

■ 0.0000, 0.0000,  
0.0883

■ 0.0000, 0.0000,  
0.0000

■ 37.8040, 24.9243,  
63.1400

■ 37.8040, 24.9243,  
63.1400

■ 35.2345, 20.9964,  
62.5176

■ 40.9077, 29.8920,  
63.9357

■ 33.1562, 18.0246,  
62.0536


■ 44.5789, 35.9681,  
64.9150


■ 31.5238, 15.9179,  
61.7330


■ 48.8512, 43.2191,  
66.0894


■ 30.2819, 14.5655,  
61.5374


■ 53.7551, 51.7053,  
67.4689


 29.5048, 13.8808,  
61.4462

 59.3185, 61.4830,  
69.0630

 65.5680, 72.6048,  
70.8803

 72.5284, 85.1204,  
72.9292

 76.2056, 91.0410,  
73.8782

 77.1905, 91.5487,  
73.9243

# Harmonies

## Analogous

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



29.9237, 24.9243, 90.1794



37.8040, 24.9243, 63.1400



42.0731, 24.9243, 33.3200

# Triad

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



37.8040, 24.9243, 63.1400



25.7599, 24.9243, 2.8623



12.2707, 24.9243, 47.1829

# Complementary

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



37.8040, 24.9243, 63.1400



32.4377, 50.3036, 20.0577

# 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.



11.6352, 24.9243, 21.7728



37.8040, 24.9243, 63.1400



18.3881, 24.9243, 3.5525

# Square

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



37.8040, 24.9243, 63.1400



34.1847, 24.9243, 5.2553



13.6151, 24.9243, 8.3435



15.5982, 24.9243, 77.9435



# Rectangle

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



37.8040, 24.9243, 63.1400



41.7571, 24.9243, 18.8815



13.6151, 24.9243, 8.3435



11.7702, 24.9243, 37.5075

# Sweetspot

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



37.8049, 24.9254, 63.1405



81.0848, 75.4875, 104.9047



23.2633, 20.3102, 63.0161



17.0131, 15.5651, 22.3576



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.



37.8049, 24.9254, 63.1405



54.6993, 32.1017, 97.9210



38.3631, 25.6750, 42.3011



12.1222, 11.9118, 14.9040



18.2601, 8.5937, 37.8888



1.0709, 0.5063, 2.1208



# Inverse Universe

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



34.0634, 23.9551, 19.6593



48.6281, 30.6695, 20.9374



32.5246, 50.0980, 31.3738



11.8828, 11.8379, 12.6588



16.4016, 8.4335, 1.7553

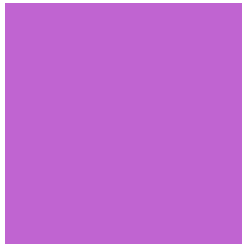


0.9414, 0.4813, 0.2260



# Previews

## White Background



This preview shows how the XYZ color 37.8040, 24.9243, 63.1400 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

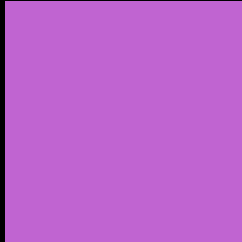
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 37.8040, 24.9243, 63.1400 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

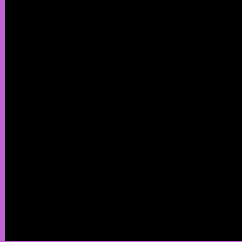
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 37.8040, 24.9243, 63.1400**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.8040, 24.9243, 63.1400.



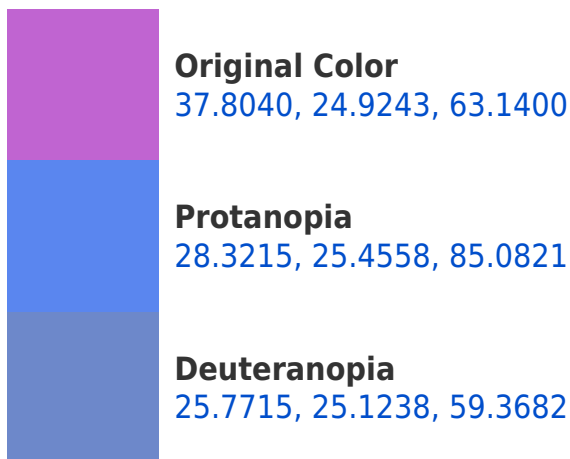
This preview shows how white text looks on a background with the XYZ color 37.8040, 24.9243,



# 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





## Tritanopia

29.7350, 24.8417, 23.9966

# Trichromacy



## Original Color

37.8040, 24.9243, 63.1400



## Protanomaly

29.7155, 24.0325, 76.4714



## Deuteranomaly

28.7499, 24.0627, 60.8869



## Tritanomaly

32.0843, 24.5932, 35.4037

# Monochromacy



## Original Color

37.8040, 24.9243, 63.1400



## Achromatopsia

24.9269, 26.2251, 28.5591



## Achromatomaly

28.4232, 24.7548, 38.8774

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.8040, 24.9243, 63.1400 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(192, 100, 209)` looks like.

```
.text, #text, p{  
    color:rgb(192, 100, 209)  
}
```

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(192, 100, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 100, 209) }
```

## Border

The CSS property to change the border of an element to XYZ 37.8040, 24.9243, 63.1400 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(192, 100, 209) }
```



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

```
.border{ border-color:rgb(192, 100, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 100, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 100, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 100, 209);  
box-shadow:4px 4px 4px 4px rgb(192, 100,  
209) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.8040, 24.9243, 63.1400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 100, 209) }
```

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

```
.background{ background-color: rgb(192,  
100, 209) }
```

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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