

# Converting Colors

XYZ(40.7607, 28.8411, 41.7136)

Have a look what the booklet for  
XYZ(40.7607, 28.8411, 41.7136)  
contains.

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# Color

**XYZ(40.8764, 28.8248,  
41.9374)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D670AB
RGB	214, 112, 171
RGB Percent	84%, 44%, 67%
CMY	0.1608, 0.5608, 0.3294
CMYK	0.00, 0.48, 0.20, 0.16
HSL	325°, 55%, 64%
HSV	325°, 48%, 84%
XYZ	40.8764, 28.8248, 41.9374
YIQ	149.2240, 41.8530, 39.9730

# Conversions

## Conversions Part 2

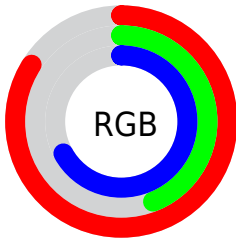
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">214, 112, 171</a>
Decimal	<a href="#">14053547</a>
CIELab	<a href="#">60.63, 47.12, -13.40</a>
CIElCh	<a href="#">61, 48.992, 344.125</a>
Yxy	<a href="#">28.8248, 0.3661, 0.2582</a>
Android (android.graphics.Color)	<a href="#">4292243627 (0xFFD670AB)</a>
YUV	<a href="#">149.2240, 10.7356, 56.8086</a>
Hunter-Lab	<a href="#">53.6887, 41.9473, -8.7306</a>

# Details

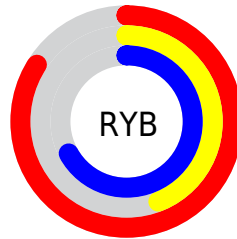
The XYZ color **40.8764, 28.8248, 41.9374** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **36.6464, 53.9052, 39.4862**, and the grayscale version is **28.6061, 30.0959, 32.7744**.

A 20% lighter version of the original color is **68.6037, 54.0234, 78.7633**, and **18.7984, 11.6279, 18.7064** is the 20% darker color. If you saturate the color by 10%, you get **37.9589, 24.3191, 36.8659**, and if you desaturate by 10%, it is **44.4154, 34.4789, 47.5063**.

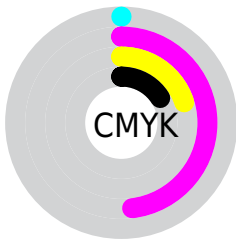
# Distribution



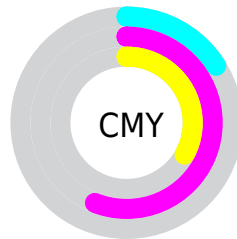
- Red (84%)
- Green (44%)
- Blue (67%)



- Red (84%)
- Yellow (44%)
- Blue (67%)



- Cyan (0%)
- Magenta (48%)
- Yellow (20%)
- Black (16%)




- Cyan (16%)
- Magenta (56%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.8764, 28.8248, 41.9374 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 40.8764, 28.8248, 41.9374 by changing the saturation by 10% instead.





 40.8764, 28.8248,  
41.9374


 40.8764, 28.8248,  
41.9374


340.8752,  
296.3874, 370.0154


 28.4098, 18.9483,  
28.7271

 75.7721, 57.7986,  
79.3739


 18.7768, 11.6329,  
18.6307


 98.9319, 77.6647,  
104.4372

 11.6122, 6.4943,  
11.2296


 126.3868,  
101.6295, 134.2886

 6.5505, 3.1479,  
6.1054

 158.5022,  
130.0774, 169.3466

 3.2264, 1.2094,  
2.8394

195.6433,  
163.3927, 210.0297

 1.2746, 0.0694,  
1.0132

238.1756,

 0.1641, 0.0000,

201.9599, 256.7565

0.0000

286.4645,  
246.1633, 309.9456

■ 0.0000, 0.0000,  
0.0000

■ 40.8764, 28.8248,  
41.9374

■ 40.8764, 28.8248,  
41.9374

■ 37.9589, 24.3191,  
36.8659

■ 44.4154, 34.4789,  
47.5063

■ 35.6187, 20.8763,  
32.2704

■ 48.6109, 41.3505,  
53.5889

■ 33.8097, 18.4059,  
28.1301


■ 53.4982, 49.5081,  
60.2028


■ 32.4771, 16.7999,  
24.4204


■ 59.1092, 59.0139,  
67.3639


■ 31.5448, 15.9084,  
21.1097


■ 65.4738, 69.9261,  
75.0871

 31.3559, 15.7459,  
20.3826

 72.6203, 82.2994,  
83.3871

 78.3652, 91.7656,  
91.5409

 79.6961, 92.2980,  
98.5490

 81.0939, 92.8571,  
105.9099

# Harmonies

## Analogous

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



36.7920, 28.8248, 63.7119



40.8764, 28.8248, 41.9374



41.0023, 28.8248, 23.6121

# Triad

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



40.8764, 28.8248, 41.9374



24.5282, 28.8248, 8.2423



19.5445, 28.8248, 62.5112

# Complementary

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



40.8764, 28.8248, 41.9374



36.6464, 53.9052, 39.4862

# 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.



17.1933, 28.8248, 40.7008



40.8764, 28.8248, 41.9374



19.7554, 28.8248, 12.4017

# Square

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



40.8764, 28.8248, 41.9374



30.8690, 28.8248, 8.3559



17.2640, 28.8248, 22.7707



24.1958, 28.8248, 78.3728



# Rectangle

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



40.8764, 28.8248, 41.9374



38.7794, 28.8248, 15.5898



17.2640, 28.8248, 22.7707



18.4933, 28.8248, 55.3309

# Sweetspot

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



40.8773, 28.8262, 41.9380



82.3705, 78.3680, 93.1837



31.3550, 23.3643, 66.4758



17.2547, 16.1392, 19.4583



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.



40.8773, 28.8262, 41.9380



56.4846, 36.2190, 54.8893



36.9475, 27.2543, 21.2439



12.7214, 12.5400, 14.4729



19.0055, 9.5385, 12.5991



1.1873, 0.5917, 0.9755



# Inverse Universe

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



40.8773, 28.8262, 41.9380



56.4846, 36.2190, 54.8893



41.8096, 55.9705, 66.6749



12.7214, 12.5400, 14.4729



19.0055, 9.5385, 12.5991



1.1873, 0.5917, 0.9755



# Previews

## White Background



This preview shows how the XYZ color 40.8764, 28.8248, 41.9374 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

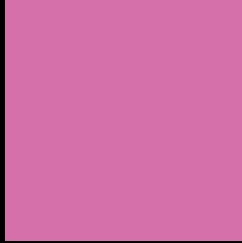
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.8764, 28.8248, 41.9374 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 40.8764, 28.8248, 41.9374**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.8764, 28.8248, 41.9374.



This preview shows how white text looks on a background with the XYZ color 40.8764, 28.8248,

41.9374.

# 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

40.8764, 28.8248, 41.9374

### Protanopia

29.5359, 29.1324, 55.1053

### Deuteranopia

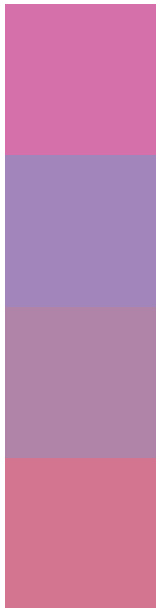
29.6543, 29.0735, 40.1252



## Tritanopia

37.2573, 28.7196, 24.3486

# Trichromacy



**Original Color**

40.8764, 28.8248, 41.9374

**Protanomaly**

32.1507, 28.0016, 50.1647

**Deuteranomaly**

32.9983, 28.4436, 40.7968

**Tritanomaly**

38.2593, 28.5851, 29.8865

# Monochromacy



**Original Color**

40.8764, 28.8248, 41.9374

**Achromatopsia**

28.5667, 30.0544, 32.7292

**Achromatomaly**

32.1235, 28.9269, 35.7886

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.8764, 28.8248, 41.9374 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(214, 112, 171)` looks like.

```
.text, #text, p{  
    color:rgb(214, 112, 171)  
}
```

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(214, 112, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 112, 171) }
```

## Border

The CSS property to change the border of an element to XYZ 40.8764, 28.8248, 41.9374 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(214, 112, 171) }
```



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

```
.border{ border-color:rgb(214, 112, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 112, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 112, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 112, 171);  
box-shadow:4px 4px 4px 4px rgb(214, 112,  
171) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.8764, 28.8248, 41.9374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 112, 171) }
```

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

```
.background{ background-color: rgb(214,  
112, 171) }
```

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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