

# Converting Colors

XYZ(37.2821, 28.7625, 22.9888)

Have a look what the booklet for  
XYZ(37.2821, 28.7625, 22.9888)  
contains.

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# Color

**XYZ(37.2821, 28.7625,  
22.9888)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3787D
RGB	211, 120, 125
RGB Percent	83%, 47%, 49%
CMY	0.1725, 0.5294, 0.5098
CMYK	0.00, 0.43, 0.41, 0.17
HSL	357°, 51%, 65%
HSV	357°, 43%, 83%
XYZ	37.2821, 28.7625, 22.9888
YIQ	147.7790, 52.6310, 20.8470

# Conversions

## Conversions Part 2

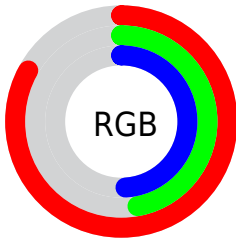
Format	Color
R <sub>Y</sub> B	211, 120, 125
Decimal	13858941
CIE Lab	60.57, 35.96, 12.93
CIE LCh	61, 38.212, 19.775
Yxy	28.7625, 0.4187, 0.3231
Android (android.graphics.Color)	4292049021 (0xFFD3787D)
YUV	147.7790, -11.2300, 55.4448
Hunter-Lab	53.6307, 30.2330, 12.1268

# Details

The XYZ color **37.2821, 28.7625, 22.9888** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **42.1820, 55.0384, 66.7959**, and the grayscale version is **28.0869, 29.5497, 32.1796**.

A 20% lighter version of the original color is **64.4119, 54.7465, 49.2917**, and **16.5695, 11.5504, 8.1936** is the 20% darker color. If you saturate the color by 10%, you get **33.8697, 23.7759, 16.1847**, and if you desaturate by 10%, it is **41.5109, 34.9725, 31.3274**.

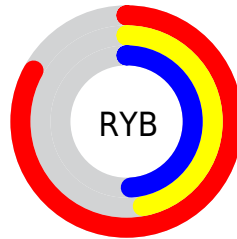
# Distribution



Red (83%)

Green (47%)

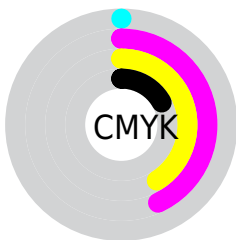
Blue (49%)



Red (83%)

Yellow (47%)

Blue (49%)

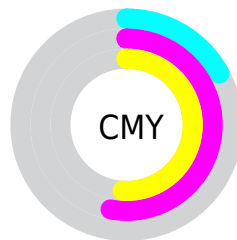


Cyan (0%)

Magenta (43%)

Yellow (41%)

Black (17%)



Cyan (17%)

Magenta (53%)


Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2821, 28.7625, 22.9888 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 37.2821, 28.7625, 22.9888 by changing the saturation by 10% instead.





 37.2821, 28.7625,  
22.9888


 37.2821, 28.7625,  
22.9888


325.8646,  
296.0927, 280.7875


 25.6007, 18.9012,  
14.3800


 70.3175, 57.6995,  
49.2979

 16.6562, 11.5989,  
8.2437


 92.4021, 77.5441,  
67.8353

 10.0835, 6.4712,  
4.1613


 118.6852,  
101.4852, 90.5193

 5.5170, 3.1337,  
1.7142

149.5320,  
129.9072, 117.7685

 2.5915, 1.2019,  
0.3705

185.3081,  
163.1946, 150.0013

 0.9416, 0.0633,  
0.0000

226.3786,

 0.0000, 0.0000,

201.7317, 187.6364

0.0000

273.1090,  
245.9030, 231.0923

■ 37.2821, 28.7625,  
22.9888

■ 37.2821, 28.7625,  
22.9888

■ 33.8697, 23.7759,  
16.1847

■ 41.5109, 34.9725,  
31.3274

■ 31.2189, 19.9279,  
10.8199

■ 46.6016, 42.4746,  
41.2844

■ 29.2718, 17.1298,  
6.7914


■ 52.5992, 51.3376,  
52.9397


■ 27.9611, 15.2782,  
3.9816


■ 59.5448, 61.6244,  
66.3672

■ 27.2065, 14.2482,  
2.2526

■ 67.4771, 73.3937,  
81.6366

 26.9278, 13.8744,  
1.5934

 76.4325, 86.7009,  
98.8140

 80.6739, 92.5889,  
108.2272

# Harmonies

## Analogous

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



37.7875, 28.7625, 36.3973



37.2821, 28.7625, 22.9888



33.9398, 28.7625, 14.8052

# Triad

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



37.2821, 28.7625, 22.9888



20.7101, 28.7625, 16.8339



25.6867, 28.7625, 66.4261

# Complementary

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



37.2821, 28.7625, 22.9888



42.1820, 55.0384, 66.7959

# 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.



21.6529, 28.7625, 57.0065



37.2821, 28.7625, 22.9888



19.0177, 28.7625, 26.7338

# Square

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



37.2821, 28.7625, 22.9888



24.2496, 28.7625, 12.0646



19.3407, 28.7625, 41.4480



30.6778, 28.7625, 64.5106



# Rectangle

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



37.2821, 28.7625, 22.9888



30.7537, 28.7625, 12.1034



19.3407, 28.7625, 41.4480



24.1849, 28.7625, 64.3921

# Sweetspot

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



37.2828, 28.7639, 22.9893



80.7312, 78.7868, 81.2388



43.6336, 31.1072, 65.3325



16.8137, 16.1742, 16.4845



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.



37.2828, 28.7639, 22.9893



52.2565, 36.8806, 25.3707



42.7278, 40.1518, 23.2693



11.8347, 11.8186, 12.4052



16.2630, 8.3780, 1.0253



0.9188, 0.4722, 0.1070



# Inverse Universe

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



37.2828, 28.7639, 22.9893



52.2565, 36.8806, 25.3707



34.1751, 38.0380, 67.1687



11.8347, 11.8186, 12.4052



16.2630, 8.3780, 1.0253

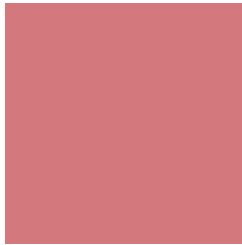


0.9188, 0.4722, 0.1070



# Previews

## White Background



This preview shows how the XYZ color 37.2821, 28.7625, 22.9888 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 37.2821, 28.7625, 22.9888 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

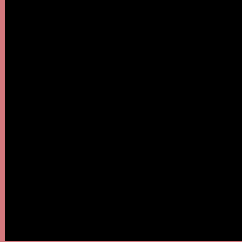
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 37.2821, 28.7625, 22.9888**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.2821, 28.7625, 22.9888.



This preview shows how white text looks on a background with the XYZ color 37.2821, 28.7625,



# 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

37.2821, 28.7625, 22.9888

### Protanopia

27.6288, 28.9721, 28.1807

### Deuteranopia

29.3383, 28.8652, 22.1144



## Tritanopia

37.3571, 28.6010, 23.9737

# Trichromacy



## Original Color

37.2821, 28.7625, 22.9888

## Protanomaly

30.4129, 28.4690, 26.0824

## Deuteranomaly

31.6675, 28.3705, 22.2194

## Tritanomaly

37.2916, 28.5748, 23.6287

# Monochromacy



## Original Color

37.2821, 28.7625, 22.9888

## Achromatopsia

28.1479, 29.6138, 32.2495

## Achromatomaly

30.6167, 28.7283, 28.7424

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.2821, 28.7625, 22.9888 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(211, 120, 125)` looks like.

```
.text, #text, p{  
    color:rgb(211, 120, 125)  
}
```

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(211, 120, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 120, 125) }
```

## Border

The CSS property to change the border of an element to XYZ 37.2821, 28.7625, 22.9888 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(211, 120, 125) }
```



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

```
.border{ border-color:rgb(211, 120, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 120, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 120, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 120, 125);  
box-shadow:4px 4px 4px 4px rgb(211, 120,  
125) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.2821, 28.7625, 22.9888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 120, 125) }
```

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

```
.background{ background-color: rgb(211,  
120, 125) }
```

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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