

# Converting Colors

XYZ(38.0235, 29.9453, 24.1148)

Have a look what the booklet for  
XYZ(38.0235, 29.9453, 24.1148)  
contains.

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# Color

**XYZ(37.9679, 29.8227,  
24.1773)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D37C80
RGB	211, 124, 128
RGB Percent	83%, 49%, 50%
CMY	0.1725, 0.5137, 0.4980
CMYK	0.00, 0.41, 0.39, 0.17
HSL	357°, 50%, 66%
HSV	357°, 41%, 83%
XYZ	37.9679, 29.8227, 24.1773
YIQ	150.4690, 50.5680, 19.6880

# Conversions

## Conversions Part 2

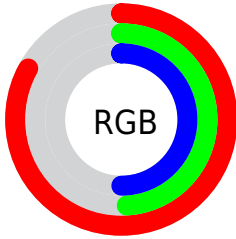
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	211, 124, 128
Decimal	13859968
CIE <sub>Lab</sub>	61.50, 34.18, 12.51
CIE <sub>LCh</sub>	62, 36.401, 20.105
Yxy	29.8227, 0.4128, 0.3243
Android (android.graphics.Color)	4292050048 (0xFFD37C80)
YUV	150.4690, -11.0772, 53.0857
Hunter-Lab	54.6102, 28.5349, 11.9779

# Details

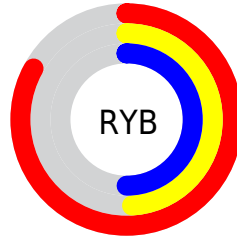
The XYZ color **37.9679, 29.8227, 24.1773** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **42.8704, 55.3793, 67.4644**, and the grayscale version is **29.2201, 30.7419, 33.4779**.

A 20% lighter version of the original color is **65.5009, 56.4370, 51.1572**, and **17.1203, 12.1996, 8.8496** is the 20% darker color. If you saturate the color by 10%, you get **34.4047, 24.6106, 17.0881**, and if you desaturate by 10%, it is **42.3613, 36.2743, 32.8407**.

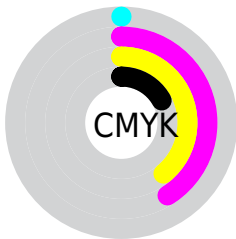
# Distribution



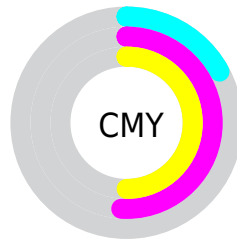
- Red (83%)
- Green (49%)
- Blue (50%)



- Red (83%)
- Yellow (49%)
- Blue (50%)



- Cyan (0%)
- Magenta (41%)
- Yellow (39%)
- Black (17%)



- Cyan (17%)
- Magenta (51%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.9679, 29.8227, 24.1773 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 37.9679, 29.8227, 24.1773 by changing the saturation by 10% instead.





 37.9679, 29.8227,  
24.1773


 37.9679, 29.8227,  
24.1773


328.7655,  
301.0771, 287.0310


 26.1349, 19.7041,  
15.2518


 71.3631, 59.3817,  
51.2668

 17.0578, 12.1801,  
8.8477


 93.6561, 79.5908,  
70.2679

 10.3713, 6.8665,  
4.5465


 120.1664,  
103.9322, 93.4646

 5.7099, 3.3787,  
1.9297

151.2594,  
132.7903, 121.2754

 2.7085, 1.3325,  
0.5115

187.3004,  
166.5494, 154.1190

 1.0016, 0.1662,  
0.0000

228.6549,

 0.0000, 0.0000,

205.5940, 192.4137

0.0000

275.6881,  
250.3084, 236.5782

■ 37.9679, 29.8227,  
24.1773

■ 37.9679, 29.8227,  
24.1773

■ 34.4047, 24.6106,  
17.0881

■ 42.3613, 36.2743,  
32.8407

■ 31.6173, 20.5545,  
11.4769

■ 47.6300, 44.0332,  
43.1632

■ 29.5485, 17.5676,  
7.2398


■ 53.8189, 53.1673,  
55.2257

■ 28.1323, 15.5491,  
4.2586


■ 60.9688, 63.7387,  
69.1031

■ 27.2904, 14.3788,  
2.3950

■ 69.1183, 75.8058,  
84.8662

 26.9170, 13.8701,  
1.5368

 78.3038, 89.4235,  
102.5818

 80.6740, 92.5889,  
108.2272

# Harmonies

## Analogous

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



38.4889, 29.8227, 37.2490



37.9679, 29.8227, 24.1773



34.7138, 29.8227, 16.0705

# Triad

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



37.9679, 29.8227, 24.1773



21.8141, 29.8227, 18.2518



26.7829, 29.8227, 66.2582

# Complementary

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



37.9679, 29.8227, 24.1773



42.8704, 55.3793, 67.4644

# 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.



22.8081, 29.8227, 57.3839



37.9679, 29.8227, 24.1773



20.1621, 29.8227, 28.1217

# Square

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



37.9679, 29.8227, 24.1773



25.2782, 29.8227, 13.3828



20.5041, 29.8227, 42.4748



31.6515, 29.8227, 64.3112



# Rectangle

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



37.9679, 29.8227, 24.1773



31.6172, 29.8227, 13.3644



20.5041, 29.8227, 42.4748



25.3078, 29.8227, 64.3636

# Sweetspot

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



37.9687, 29.8242, 24.1779



81.7040, 80.2669, 82.9983



44.6008, 32.3350, 65.5185



17.2054, 16.7630, 17.2151



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.



37.9687, 29.8242, 24.1779



53.6582, 39.0101, 27.9153



43.6268, 41.5531, 24.7919



11.8304, 11.8169, 12.3829



16.2547, 8.3747, 0.9817



0.9168, 0.4714, 0.0965



# Inverse Universe

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



37.9687, 29.8242, 24.1779



53.6582, 39.0101, 27.9153



34.7954, 38.4376, 67.2133



11.8304, 11.8169, 12.3829



16.2547, 8.3747, 0.9817



0.9168, 0.4714, 0.0965



# Previews

## White Background



This preview shows how the XYZ color 37.9679, 29.8227, 24.1773 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

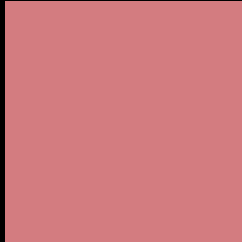
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.9679, 29.8227, 24.1773 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 37.9679, 29.8227, 24.1773**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.9679, 29.8227, 24.1773.



This preview shows how white text looks on a background with the XYZ color 37.9679, 29.8227,



# 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

37.9679, 29.8227, 24.1773

### Protanopia

28.7240, 29.9729, 29.4707

### Deuteranopia

30.5374, 29.8962, 23.5631



## Tritanopia

38.1118, 29.6807, 25.5500

# Trichromacy



## Original Color

37.9679, 29.8227, 24.1773

## Protanomaly

31.3557, 29.3568, 27.3063

## Deuteranomaly

32.8198, 29.5538, 23.7133

## Tritanomaly

38.0437, 29.6535, 25.1913

# Monochromacy



## Original Color

37.9679, 29.8227, 24.1773

## Achromatopsia

28.9890, 30.4987, 33.2131

## Achromatomaly

31.4206, 29.7734, 29.6820

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.9679, 29.8227, 24.1773 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, 124, 128)` looks like.

```
.text, #text, p{  
    color:rgb(211, 124, 128)  
}
```

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, 124, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 124, 128) }
```

## Border

The CSS property to change the border of an element to XYZ 37.9679, 29.8227, 24.1773 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, 124, 128) }
```



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

```
.border{ border-color:rgb(211, 124, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 124, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 124, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 124, 128);  
box-shadow:4px 4px 4px 4px rgb(211, 124,  
128) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.9679, 29.8227, 24.1773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 124, 128) }
```

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

```
.background{ background-color: rgb(211,  
124, 128) }
```

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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