

# Converting Colors

XYZ(37.4296, 29.6519, 23.4795)

Have a look what the booklet for  
XYZ(37.4296, 29.6519, 23.4795)  
contains.

|  |    |
|--|----|
| <b>XYZ(37.2680, 29.4770, 23.4640)</b> .....    | 3  |
| <b><i>Conversions</i></b> .....                | 4  |
| <b><i>Details</i></b> .....                    | 6  |
| <b><i>Harmonies</i></b> .....                  | 12 |
| <b><i>Previews</i></b> .....                   | 24 |
| <b><i>Color Blindness Simulation</i></b> ..... | 28 |
| <b><i>CSS Examples</i></b> .....               | 31 |

# Color

**XYZ(37.2680, 29.4770,  
23.4640)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | D17C7E                     |
| RGB         | 209, 124, 126              |
| RGB Percent | 82%, 49%, 49%              |
| CMY         | 0.1804, 0.5137, 0.5059     |
| CMYK        | 0.00, 0.41, 0.40, 0.18     |
| HSL         | 359°, 48%, 65%             |
| HSV         | 359°, 41%, 82%             |
| XYZ         | 37.2680, 29.4770, 23.4640  |
| YIQ         | 149.6430, 50.0180, 18.6420 |

# Conversions

## Conversions Part 2

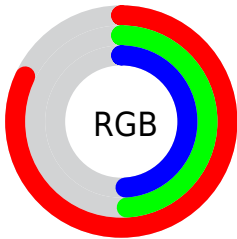
| Format                              | Color                          |
|-------------------------------------|--------------------------------|
| R <sub>Y</sub> B                    | 209, 124, 126                  |
| Decimal                             | 13728894                       |
| CIE Lab                             | 61.20, 33.20, 13.20            |
| CIE LCh                             | 61, 35.729, 21.677             |
| Yxy                                 | 29.4770, 0.4131,<br>0.3268     |
| Android<br>(android.graphics.Color) | 4291918974<br>(0xFFD17C7E)     |
| YUV                                 | 149.6430, -11.6560,<br>52.0561 |
| Hunter-Lab                          | 54.2927, 27.5150,<br>12.3812   |

# Details

The XYZ color **37.2680, 29.4770, 23.4640** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **42.3765, 54.3916, 67.2998**, and the grayscale version is **28.8719, 30.3755, 33.0789**.

A 20% lighter version of the original color is **65.2971, 56.3555, 50.0840**, and **16.6710, 11.9763, 8.4542** is the 20% darker color. If you saturate the color by 10%, you get **33.7355, 24.3090, 16.4386**, and if you desaturate by 10%, it is **41.6257, 35.8655, 32.0906**.

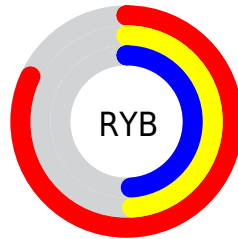
# Distribution



Red (82%)

Green (49%)

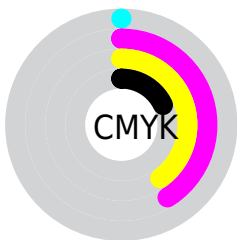
Blue (49%)



Red (82%)

Yellow (49%)

Blue (49%)

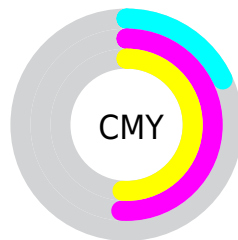


Cyan (0%)

Magenta (41%)

Yellow (40%)

Black (18%)



Cyan (18%)

Magenta (51%)


Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2680, 29.4770, 23.4640 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 37.2680, 29.4770, 23.4640 by changing the saturation by 10% instead.





 37.2680, 29.4770,  
23.4640


 37.2680, 29.4770,  
23.4640

325.8048,  
299.4590, 283.2981

 25.5897, 19.4420,  
14.7280


 70.2959, 58.8341,  
50.0869

 16.6480, 11.9901,  
8.4842


 92.3763, 78.9249,  
68.8109

 10.0776, 6.7369,  
4.3141


 118.6547,  
103.1365, 91.7013

 5.5131, 3.2981,  
1.7992

149.4964,  
131.8532, 119.1766

 2.5892, 1.2893,  
0.4274

185.2670,  
165.4594, 151.6554

 0.9404, 0.1329,  
0.0000

226.3317,

 0.0000, 0.0000,

204.3395, 189.5562

0.0000

273.0558,  
248.8779, 233.2976

■ 37.2680, 29.4770,  
23.4640

■ 37.2680, 29.4770,  
23.4640

■ 33.7355, 24.3090,  
16.4386

■ 41.6257, 35.8655,  
32.0906

■ 30.9742, 20.2798,  
10.9141

■ 46.8538, 43.5406,  
42.4066

■ 28.9271, 17.3046,  
6.7820


■ 52.9966, 52.5690,  
54.4960


■ 27.5284, 15.2850,  
3.9182


■ 60.0951, 63.0114,  
68.4367

■ 26.7003, 14.1041,  
2.1767

■ 68.1875, 74.9250,  
84.3019

 26.3213, 13.5660,  
1.3721

 77.3101, 88.3636,  
102.1608

 80.1044, 92.2953,  
108.2006

# Harmonies

## Analogous

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



37.9288, 29.4770, 35.9840



37.2680, 29.4770, 23.4640



33.9940, 29.4770, 15.7890

# Triad

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



37.2680, 29.4770, 23.4640



21.5166, 29.4770, 18.5883



26.7308, 29.4770, 65.0626

# Complementary

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



37.2680, 29.4770, 23.4640



42.3765, 54.3916, 67.2998

# 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.



22.7852, 29.4770, 56.9419



37.2680, 29.4770, 23.4640



20.0025, 29.4770, 28.4976

# Square

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



37.2680, 29.4770, 23.4640



24.8140, 29.4770, 13.5704



20.4396, 29.4770, 42.6200



31.4844, 29.4770, 62.6027



# Rectangle

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



37.2680, 29.4770, 23.4640



30.9510, 29.4770, 13.2811



20.4396, 29.4770, 42.6200



25.2746, 29.4770, 63.4139

# Sweetspot

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



37.2688, 29.4785, 23.4646



81.6100, 80.2293, 82.5032



44.2169, 32.1659, 64.1996



17.1835, 16.7543, 17.0998



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.



37.2688, 29.4785, 23.4646



53.4617, 38.9315, 26.8807



43.1493, 41.4435, 24.7960



11.8198, 11.8127, 12.3270



16.2340, 8.3665, 0.8727



0.9117, 0.4694, 0.0700



# Inverse Universe

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



37.2688, 29.4785, 23.4646



53.4617, 38.9315, 26.8807



34.0722, 37.3901, 65.7426



11.8198, 11.8127, 12.3270



16.2340, 8.3665, 0.8727

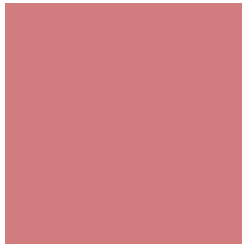


0.9117, 0.4694, 0.0700



# Previews

## White Background



This preview shows how the XYZ color 37.2680, 29.4770, 23.4640 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

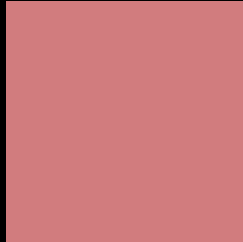
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.2680, 29.4770, 23.4640 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

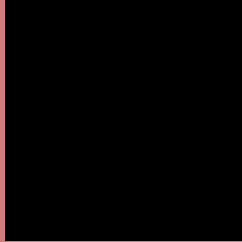
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 37.2680, 29.4770, 23.4640**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.2680, 29.4770, 23.4640.



This preview shows how white text looks on a background with the XYZ color 37.2680, 29.4770,

23.4640.

# 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

37.2680, 29.4770, 23.4640

### Protanopia

28.3142, 29.7871, 28.3019

### Deuteranopia

30.0427, 29.4340, 22.8368



## Tritanopia

37.8262, 29.5335, 25.5367

# Trichromacy



## Original Color

37.2680, 29.4770, 23.4640

## Protanomaly

30.7693, 29.0707, 26.5437

## Deuteranomaly

32.3096, 29.0975, 22.9823

## Tritanomaly

37.6906, 29.4793, 24.8226

# Monochromacy



## Original Color

37.2680, 29.4770, 23.4640

## Achromatopsia

28.9890, 30.4987, 33.2131

## Achromatomaly

31.1272, 29.6308, 29.2780

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.2680, 29.4770, 23.4640 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(209, 124, 126)` looks like.

```
.text, #text, p{  
    color:rgb(209, 124, 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(209, 124, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 124, 126) }
```

## Border

The CSS property to change the border of an element to XYZ 37.2680, 29.4770, 23.4640 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(209, 124, 126) }
```



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

```
.border{ border-color:rgb(209, 124, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 124, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 124, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 124, 126);  
box-shadow:4px 4px 4px 4px rgb(209, 124,  
126) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.2680, 29.4770, 23.4640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 124, 126) }
```

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

```
.background{ background-color: rgb(209,  
124, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor