

# Converting Colors

XYZ(39.6242, 31.5870, 28.6816)

Have a look what the booklet for  
XYZ(39.6242, 31.5870, 28.6816)  
contains.

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# Color

**XYZ(39.7353, 31.5910,  
28.8143)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4818C
RGB	212, 129, 140
RGB Percent	83%, 51%, 55%
CMY	0.1686, 0.4941, 0.4510
CMYK	0.00, 0.39, 0.34, 0.17
HSL	352°, 49%, 67%
HSV	352°, 39%, 83%
XYZ	39.7353, 31.5910, 28.8143
YIQ	155.0710, 45.9370, 21.0170

# Conversions

## Conversions Part 2

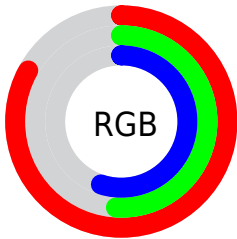
Format	Color
R <sub>Y</sub> B	212, 129, 140
Decimal	13926796
CIE Lab	63.00, 33.33, 7.81
CIE LCh	63, 34.237, 13.184
Yxy	31.5910, 0.3968, 0.3155
Android (android.graphics.Color)	4292116876 (0xFFD4818C)
YUV	155.0710, -7.4300, 49.9267
Hunter-Lab	56.2059, 27.8321, 8.9487

# Details

The XYZ color **39.7353, 31.5910, 28.8143** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **43.1409, 55.9720, 63.7914**, and the grayscale version is **31.2055, 32.8306, 35.7526**.

A 20% lighter version of the original color is **67.7991, 58.9772, 58.2624**, and **18.0874, 13.1555, 11.2588** is the 20% darker color. If you saturate the color by 10%, you get **35.9822, 26.0767, 21.4226**, and if you desaturate by 10%, it is **44.2960, 38.3576, 37.5942**.

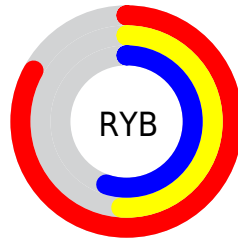
# Distribution



Red (83%)

Green (51%)

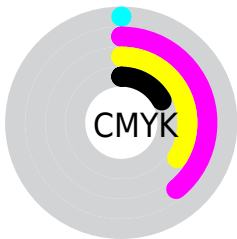
Blue (55%)



Red (83%)

Yellow (51%)

Blue (55%)

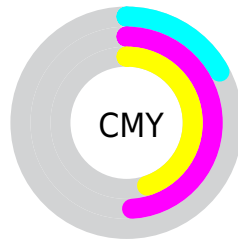


Cyan (0%)

Magenta (39%)

Yellow (34%)

Black (17%)



Cyan (17%)

Magenta (49%)


Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.7353, 31.5910, 28.8143 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 39.7353, 31.5910, 28.8143 by changing the saturation by 10% instead.





 39.7353, 31.5910,  
28.8143


 39.7353, 31.5910,  
28.8143


336.1602,  
309.2519, 310.3712


 27.5155, 21.0493,  
18.6960


 74.0472, 62.1694,  
58.8206

 18.0994, 13.1600,  
11.2763


 96.8700, 82.9748,  
79.5456

 11.1215, 7.5388,  
6.1365


 123.9578,  
107.9703, 104.6434

 6.2165, 3.8013,  
2.8581

155.6761,  
137.5402, 134.5324

 3.0191, 1.5630,  
1.0226

192.3901,  
172.0689, 169.6311

 1.1639, 0.3325,  
0.0000

234.4652,

 0.0775, 0.0000,

211.9408, 210.3581

0.0000

282.2668,  
257.5403, 257.1320

0.0000, 0.0000,  
0.0000

39.7353, 31.5910,  
28.8143

39.7353, 31.5910,  
28.8143

35.9822, 26.0767,  
21.4226

44.2960, 38.3576,  
37.5942

32.9870, 21.7334,  
15.3458

49.7054, 46.4421,  
47.8265

30.6979, 18.4775,  
10.5068

56.0045, 55.9109,  
59.5737

29.0561, 16.2123,  
6.8196

63.2312, 66.8248,  
72.8943

27.9924, 14.8239,  
4.1870

71.4209, 79.2408,  
87.8433

■ 27.4010, 14.1283,  
2.4880

■ 80.2216, 92.4412,  
104.3447

■ 27.3621, 14.0814,  
2.3799

■ 80.9615, 92.7371,  
108.2407

# Harmonies

## Analogous

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



39.5565, 31.5910, 42.4596



39.7353, 31.5910, 28.8143



37.1258, 31.5910, 19.5256

# Triad

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



39.7353, 31.5910, 28.8143



24.2453, 31.5910, 18.7394



27.4817, 31.5910, 65.6775

# Complementary

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



39.7353, 31.5910, 28.8143



43.1409, 55.9720, 63.7914

# 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.



23.8950, 31.5910, 55.3750



39.7353, 31.5910, 28.8143



22.1647, 31.5910, 27.4261

# Square

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



39.7353, 31.5910, 28.8143



28.0078, 31.5910, 14.8199



22.0436, 31.5910, 40.6584



32.1396, 31.5910, 66.3345



# Rectangle

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



39.7353, 31.5910, 28.8143



34.3000, 31.5910, 16.0538



22.0436, 31.5910, 40.6584



26.1232, 31.5910, 63.1253

# Sweetspot

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



39.7361, 31.5925, 28.8149



82.0700, 80.4133, 84.9254



43.8044, 32.8639, 66.3222



17.2908, 16.7972, 17.6644



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.



39.7361, 31.5925, 28.8149



55.5131, 40.8651, 34.2519



43.5877, 40.5291, 26.2964



12.4896, 12.4473, 13.2523



16.9129, 8.7015, 1.5797



1.0425, 0.5338, 0.2130



# Inverse Universe

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



39.7361, 31.5925, 28.8149



55.5131, 40.8651, 34.2519



37.5776, 42.7006, 68.5491



12.4896, 12.4473, 13.2523



16.9129, 8.7015, 1.5797

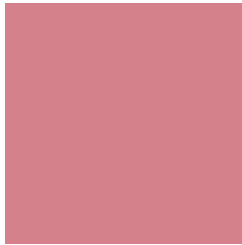


1.0425, 0.5338, 0.2130



# Previews

## White Background



This preview shows how the XYZ color 39.7353, 31.5910, 28.8143 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

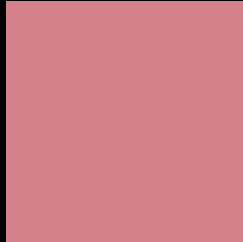
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.7353, 31.5910, 28.8143 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

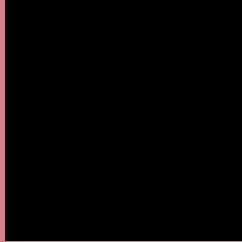
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 39.7353, 31.5910, 28.8143**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.7353, 31.5910, 28.8143.



This preview shows how white text looks on a background with the XYZ color 39.7353, 31.5910,



# 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

39.7353, 31.5910, 28.8143

### Protanopia

30.6883, 31.8243, 34.6622

### Deuteranopia

32.4046, 31.6723, 28.0724



## Tritanopia

39.6618, 31.5616, 28.4277

# Trichromacy



## Original Color

39.7353, 31.5910, 28.8143

## Protanomaly

33.2231, 31.3147, 32.3103

## Deuteranomaly

34.7046, 31.2825, 28.2538

## Tritanomaly

39.6618, 31.5616, 28.4277

# Monochromacy



## Original Color

39.7353, 31.5910, 28.8143

## Achromatopsia

31.1553, 32.7778, 35.6950

## Achromatomaly

33.6884, 31.9899, 33.2533

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.7353, 31.5910, 28.8143 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(212, 129, 140)` looks like.

```
.text, #text, p{  
    color:rgb(212, 129, 140)  
}
```

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(212, 129, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 129, 140) }
```

## Border

The CSS property to change the border of an element to XYZ 39.7353, 31.5910, 28.8143 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(212, 129, 140) }
```



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

```
.border{ border-color:rgb(212, 129, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 129, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 129, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 129, 140);  
box-shadow:4px 4px 4px 4px rgb(212, 129,  
140) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.7353, 31.5910, 28.8143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 129, 140) }
```

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

```
.background{ background-color: rgb(212,  
129, 140) }
```

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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