

# Converting Colors

XYZ(39.5974, 29.4388, 19.1026)

Have a look what the booklet for  
XYZ(39.5974, 29.4388, 19.1026)  
contains.

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# Color

**XYZ(39.7734, 29.6028,  
19.2404)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DF7571
RGB	223, 117, 113
RGB Percent	87%, 46%, 44%
CMY	0.1255, 0.5412, 0.5569
CMYK	0.00, 0.48, 0.49, 0.13
HSL	2°, 63%, 66%
HSV	2°, 49%, 87%
XYZ	39.7734, 29.6028, 19.2404
YIQ	148.2380, 64.4600, 21.2280

# Conversions

## Conversions Part 2

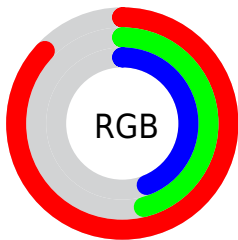
Format	Color
R <sub>Y</sub> B	223, 117, 113
Decimal	14644593
CIE Lab	61.31, 40.75, 21.06
CIE LCh	61, 45.874, 27.331
Yxy	29.6028, 0.4488, 0.3341
Android (android.graphics.Color)	4292834673 (0xFFDF7571)
YUV	148.2380, -17.3723, 65.5663
Hunter-Lab	54.4085, 35.2714, 17.1193

# Details

The XYZ color **39.7734, 29.6028, 19.2404** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **45.4595, 59.4986, 78.9004**, and the grayscale version is **28.2999, 29.7737, 32.4236**.

A 20% lighter version of the original color is **62.5944, 53.1024, 42.5480**, and **18.1543, 12.0548, 6.3710** is the 20% darker color. If you saturate the color by 10%, you get **36.4459, 24.7163, 12.6798**, and if you desaturate by 10%, it is **43.9854, 35.7649, 27.6179**.

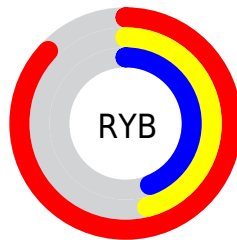
# Distribution



Red (87%)

Green (46%)

Blue (44%)



Red (87%)

Yellow (46%)

Blue (44%)

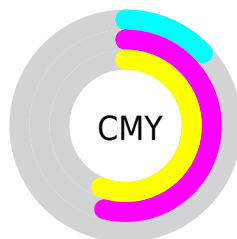


Cyan (0%)

Magenta (48%)

Yellow (49%)

Black (13%)



Cyan (13%)

Magenta (54%)


Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.7734, 29.6028, 19.2404 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 39.7734, 29.6028, 19.2404 by changing the saturation by 10% instead.





 39.7734, 29.6028,  
19.2404


 39.7734, 29.6028,  
19.2404


336.3184,  
300.0486, 260.2395

 27.5453, 19.5373,  
11.6655

 74.1049, 59.0335,  
42.9820


 18.1219, 12.0592,  
6.3966


 96.9390, 79.1674,  
59.9859

 11.1378, 6.7840,  
3.0150


 124.0392,  
103.4263, 80.9698

 6.2275, 3.3274,  
1.1023

 155.7707,  
132.1945, 106.3523

 3.0259, 1.3049,  
0.0000

192.4991,  
165.8565, 136.5520

 1.1675, 0.1450,  
0.0000

234.5896,

 0.0805, 0.0000,

204.7965, 171.9874

0.0000

282.4076,  
249.3991, 213.0771

■ 0.0000, 0.0000,  
0.0000

■ 39.7734, 29.6028,  
19.2404

■ 39.7734, 29.6028,  
19.2404

■ 36.4459, 24.7163,  
12.6798

■ 43.9854, 35.7649,  
27.6179

■ 33.9379, 21.0119,  
7.8002

■ 49.1364, 43.2784,  
37.9317

■ 32.1789, 18.3907,  
4.4490


■ 55.2792, 52.2186,  
50.2928

■ 31.0856, 16.7359,  
2.4453


■ 62.4620, 62.6539,  
64.8032

■ 30.5435, 15.8989,  
1.5021

■ 70.7298, 74.6485,  
81.5584

 30.5195, 15.8642,  
1.4535

 80.1249, 88.2626,  
100.6480

 84.2414, 94.4280,  
108.3942

# Harmonies

## Analogous

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



41.4133, 29.6028, 33.8073



39.7734, 29.6028, 19.2404



34.8866, 29.6028, 11.5505

# Triad

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



39.7734, 29.6028, 19.2404



19.4446, 29.6028, 17.3992



27.5988, 29.6028, 78.2131

# Complementary

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



39.7734, 29.6028, 19.2404



45.4595, 59.4986, 78.9004

# 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.



22.3187, 29.6028, 69.1463



39.7734, 29.6028, 19.2404



18.0522, 29.6028, 30.7072

# Square

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



39.7734, 29.6028, 19.2404



23.1316, 29.6028, 10.7860



19.0246, 29.6028, 50.0529



33.8159, 29.6028, 71.7565



# Rectangle

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



39.7734, 29.6028, 19.2404



30.7629, 29.6028, 9.4458



19.0246, 29.6028, 50.0529



25.6642, 29.6028, 76.8234

# Sweetspot

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



39.7741, 29.6043, 19.2409



78.8404, 76.4737, 76.0808



49.1668, 32.6305, 70.9551



16.4447, 15.7431, 15.4156



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.



39.7741, 29.6043, 19.2409



49.3457, 33.4287, 17.0952



48.1013, 46.2587, 22.0167



13.7471, 13.7801, 14.2421



17.9627, 9.3634, 0.8606



1.2594, 0.6777, 0.0644



# Inverse Universe

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



45.4595, 59.4986, 78.9004



57.8601, 78.2702, 106.6659



33.4647, 35.5090, 74.9021



14.0716, 15.4822, 17.6344



22.1207, 31.7110, 46.0033



1.5468, 2.2251, 3.1932



# Previews

## White Background



This preview shows how the XYZ color 39.7734, 29.6028, 19.2404 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

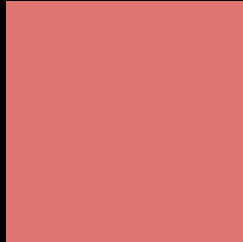
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.7734, 29.6028, 19.2404 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 39.7734, 29.6028, 19.2404**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.7734, 29.6028, 19.2404.



This preview shows how white text looks on a background with the XYZ color 39.7734, 29.6028,



# 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

39.7734, 29.6028, 19.2404

### Protanopia

28.1965, 29.8062, 24.6891

### Deuteranopia

30.3378, 29.6802, 18.5979



## Tritanopia

40.5093, 29.5640, 22.6401

# Trichromacy



## Original Color

39.7734, 29.6028, 19.2404

## Protanomaly

31.3432, 29.0247, 22.6892

## Deuteranomaly

33.1943, 29.2383, 18.6459

## Tritanomaly

40.3760, 29.6941, 21.3728

# Monochromacy



## Original Color

39.7734, 29.6028, 19.2404

## Achromatopsia

28.1479, 29.6138, 32.2495

## Achromatomaly

30.9980, 28.7546, 26.8381

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.7734, 29.6028, 19.2404 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(223, 117, 113)` looks like.

```
.text, #text, p{  
    color:rgb(223, 117, 113)  
}
```

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(223, 117, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 117, 113) }
```

## Border

The CSS property to change the border of an element to XYZ 39.7734, 29.6028, 19.2404 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(223, 117, 113) }
```



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

```
.border{ border-color:rgb(223, 117, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 117, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 117, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 117, 113);  
box-shadow:4px 4px 4px 4px rgb(223, 117,  
113) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.7734, 29.6028, 19.2404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 117, 113) }
```

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

```
.background{ background-color: rgb(223,  
117, 113) }
```

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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