

# Converting Colors

XYZ(32.7639, 27.4392, 18.8987)

Have a look what the booklet for  
XYZ(32.7639, 27.4392, 18.8987)  
contains.

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# Color

**XYZ(32.7639, 27.4392,  
18.8987)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C37D70
RGB	195, 125, 112
RGB Percent	76%, 49%, 44%
CMY	0.2353, 0.5098, 0.5608
CMYK	0.00, 0.36, 0.43, 0.24
HSL	9°, 41%, 60%
HSV	9°, 43%, 76%
XYZ	32.7639, 27.4392, 18.8987
YIQ	144.4480, 45.8930, 10.7970

# Conversions

## Conversions Part 2

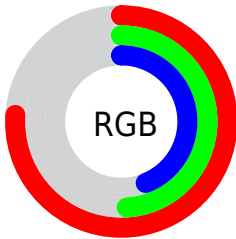
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	195, 127, 112
Decimal	12811632
CIE Lab	59.38, 25.67, 18.40
CIE LCh	59, 31.586, 35.629
Yxy	27.4392, 0.4142, 0.3469
Android (android.graphics.Color)	4291001712 (0xFFC37D70)
YUV	144.4480, -15.9969, 44.3341
Hunter-Lab	52.3824, 19.9780, 15.2769

# Details

The XYZ color **32.7639, 27.4392, 18.8987** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **33.2595, 40.8389, 57.7593**, and the grayscale version is **26.7403, 28.1329, 30.6367**.

A 20% lighter version of the original color is **63.4943, 55.5920, 42.5058**, and **14.0890, 10.8913, 6.2101** is the 20% darker color. If you saturate the color by 10%, you get **29.8813, 23.2274, 13.1489**, and if you desaturate by 10%, it is **36.2278, 32.4372, 26.0028**.

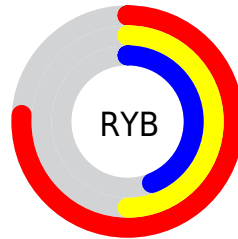
# Distribution



Red (76%)

Green (49%)

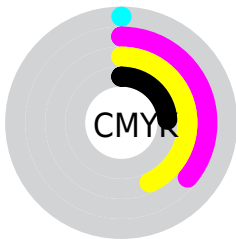
Blue (44%)



Red (76%)

Yellow (50%)

Blue (44%)

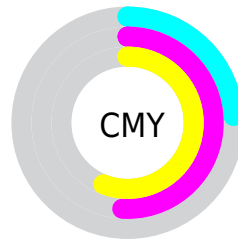


Cyan (0%)

Magenta (36%)

Yellow (43%)

Black (24%)



Cyan (24%)

Magenta (51%)


Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 32.7639, 27.4392, 18.8987 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 32.7639, 27.4392, 18.8987 by changing the saturation by 10% instead.





 32.7639, 27.4392,  
18.8987


 32.7639, 27.4392,  
18.8987


306.2683,  
289.7774, 258.2930


 22.1040, 17.9033,  
11.4210


 63.3639, 55.5878,  
42.3973


 14.0504, 10.8806,  
6.2331


 84.0347, 74.9694,  
59.2553

 8.2376, 5.9866,  
2.9162


 108.7732, 98.4017,  
80.0771

 4.3005, 2.8369,  
1.0520

 137.9447,  
126.2691, 105.2813

 1.8735, 1.0472,  
0.0000

171.9146,  
158.9559, 135.2865

 0.5614, 0.0000,  
0.0000

211.0483,

 0.0000, 0.0000,

196.8467, 170.5111

0.0000

255.7111,  
240.3257, 211.3738

■ 32.7639, 27.4392,  
18.8987

■ 32.7639, 27.4392,  
18.8987

■ 29.8813, 23.2274,  
13.1489

■ 36.2278, 32.4372,  
26.0028

■ 27.5454, 19.7575,  
8.6653

■ 40.3005, 38.2543,  
34.5384

■ 25.7217, 16.9875,  
5.3521


■ 45.0105, 44.9268,  
44.5786


■ 24.3700, 14.8688,  
3.0990

■ 50.3837, 52.4874,  
56.1913


■ 23.4443, 13.3471,  
1.7741

■ 56.4447, 60.9670,  
69.4402

 22.9840, 12.5588,  
1.2127

 63.2166, 70.3953,  
84.3852

 70.7216, 80.8003,  
101.0835

 76.3156, 90.3421,  
108.0232

# Harmonies

## Analogous

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



34.4056, 27.4392, 27.7905



32.7639, 27.4392, 18.8987



29.3464, 27.4392, 14.1027

# Triad

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



32.7639, 27.4392, 18.8987



19.7471, 27.4392, 21.7591



26.8333, 27.4392, 57.2213

# Complementary

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



32.7639, 27.4392, 18.8987



33.2595, 40.8389, 57.7593

# 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.



23.0657, 27.4392, 54.4362



32.7639, 27.4392, 18.8987



19.2193, 27.4392, 32.0647

# Square

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



32.7639, 27.4392, 18.8987



21.8954, 27.4392, 15.4381



20.3734, 27.4392, 44.4478



30.7667, 27.4392, 51.3105



# Rectangle

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



32.7639, 27.4392, 18.8987



26.6641, 27.4392, 12.9947



20.3734, 27.4392, 44.4478



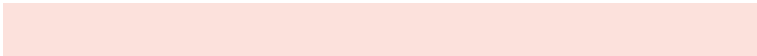
25.5047, 27.4392, 57.2856

# Sweetspot

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



32.7646, 27.4406, 18.8992



80.0416, 79.6554, 78.6109



36.8004, 26.5908, 47.7475



17.0941, 16.8301, 16.2851



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.



32.7646, 27.4406, 18.8992



53.8813, 42.1354, 24.2627



39.0575, 40.0263, 20.9968



10.1978, 10.3271, 10.5177



14.9788, 8.2433, 0.8017



0.6884, 0.4386, 0.0484



# Inverse Universe

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



33.2595, 40.8389, 57.7593



54.8458, 69.1891, 102.9339



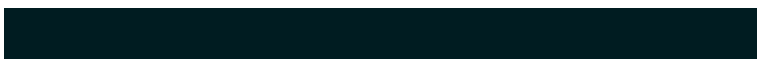
26.0649, 26.4496, 55.3611



10.2298, 11.1509, 12.8980



15.1332, 20.0228, 36.6238



0.6908, 0.9391, 1.5947



# Previews

## White Background



This preview shows how the XYZ color 32.7639, 27.4392, 18.8987 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

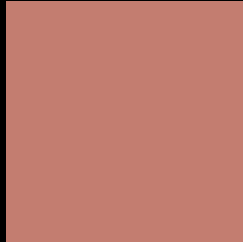
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 32.7639, 27.4392, 18.8987 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 32.7639, 27.4392, 18.8987**

## **Background**



This preview shows how black text looks on a background with the XYZ color 32.7639, 27.4392, 18.8987.



This preview shows how white text looks on a background with the XYZ color 32.7639, 27.4392,



# 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

32.7639, 27.4392, 18.8987

### Protanopia

26.0361, 27.6047, 22.0451

### Deuteranopia

28.0514, 27.6276, 18.6060



## Tritanopia

34.0822, 27.4281, 24.9705

# Trichromacy



## Original Color

32.7639, 27.4392, 18.8987

## Protanomaly

28.0105, 27.1318, 20.9002

## Deuteranomaly

29.6169, 27.3877, 18.7643

## Tritanomaly

33.4860, 27.3569, 22.5843

# Monochromacy



## Original Color

32.7639, 27.4392, 18.8987

## Achromatopsia

26.5089, 27.8894, 30.3716

## Achromatomaly

28.2148, 27.3438, 25.6206

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 32.7639, 27.4392, 18.8987 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(195, 125, 112)` looks like.

```
.text, #text, p{  
    color:rgb(195, 125, 112)  
}
```

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(195, 125, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 125, 112) }
```

## Border

The CSS property to change the border of an element to XYZ 32.7639, 27.4392, 18.8987 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(195, 125, 112) }
```



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

```
.border{ border-color:rgb(195, 125, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 125, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 125, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 125, 112);  
box-shadow:4px 4px 4px 4px rgb(195, 125,  
112) }
```

# Background

The CSS property to change the background color of an element to XYZ 32.7639, 27.4392, 18.8987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 125, 112) }
```

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

```
.background{ background-color: rgb(195,  
125, 112) }
```

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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