

# Converting Colors

XYZ(39.9627, 32.8017, 26.6593)

Have a look what the booklet for  
XYZ(39.9627, 32.8017, 26.6593)  
contains.

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# Color

**XYZ(39.9796, 32.7685,  
26.7721)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D48686
RGB	212, 134, 134
RGB Percent	83%, 53%, 53%
CMY	0.1686, 0.4745, 0.4745
CMYK	0.00, 0.37, 0.37, 0.17
HSL	0°, 48%, 68%
HSV	0°, 37%, 83%
XYZ	39.9796, 32.7685, 26.7721
YIQ	157.3220, 46.4880, 16.5360

# Conversions

## Conversions Part 2

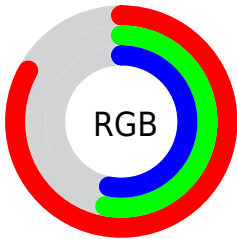
Format	Color
RYB	212, 134, 134
Decimal	13928070
CIELab	63.97, 29.92, 12.59
CIElCh	64, 32.460, 22.819
Yxy	32.7685, 0.4017, 0.3293
Android (android.graphics.Color)	4292118150 (0xFFD48686)
YUV	157.3220, -11.4977, 47.9526
Hunter-Lab	57.2438, 24.4895, 12.3416

# Details

The XYZ color **39.9796, 32.7685, 26.7721** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **45.2578, 56.9067, 70.8862**, and the grayscale version is **32.2292, 33.9076, 36.9254**.

A 20% lighter version of the original color is **68.1929, 60.8143, 55.1579**, and **18.2111, 13.7952, 10.0904** is the 20% darker color. If you saturate the color by 10%, you get **36.0045, 26.9521, 18.8688**, and if you desaturate by 10%, it is **44.8401, 39.8812, 36.4335**.

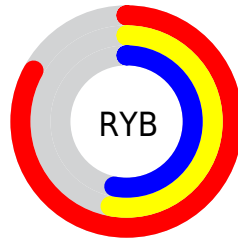
# Distribution



Red (83%)

Green (53%)

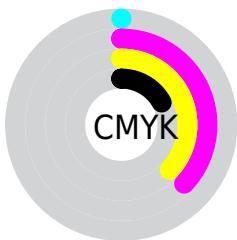
Blue (53%)



Red (83%)

Yellow (53%)

Blue (53%)

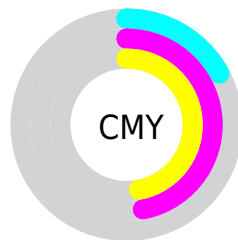


Cyan (0%)

Magenta (37%)

Yellow (37%)

Black (17%)



Cyan (17%)

Magenta (47%)


Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.9796, 32.7685, 26.7721 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 39.9796, 32.7685, 26.7721 by changing the saturation by 10% instead.





 39.9796, 32.7685,  
26.7721

 39.9796, 32.7685,  
26.7721


337.1735,  
314.6053, 300.2772

 27.7068, 21.9492,  
17.1712


 74.4170, 64.0139,  
55.5172

 18.2441, 13.8195,  
10.1934


 97.3123, 85.2088,  
75.4986

 11.2261, 7.9953,  
5.4201


 124.4791,  
110.6310, 99.7771

 6.2875, 4.0919,  
2.4328

156.2828,  
140.6649, 128.7714

 3.0630, 1.7251,  
0.8042

193.0887,  
175.6949, 162.9000

 1.1872, 0.4398,  
0.0000

235.2622,

 0.0962, 0.0000,

216.1053, 202.5815

0.0000

283.1687,  
262.2807, 248.2344

0.0000, 0.0000,  
0.0000

39.9796, 32.7685,  
26.7721

39.9796, 32.7685,  
26.7721

36.0045, 26.9521,  
18.8688

44.8401, 39.8812,  
36.4335

32.8591, 22.3494,  
12.6160

50.6322, 48.3566,  
47.9479

30.4855, 18.8761,  
7.8976

57.4017, 58.2624,  
61.4056

28.8172, 16.4348,  
4.5814

65.1910, 69.6602,  
76.8905

27.7766, 14.9120,  
2.5130

74.0397, 82.6083,  
94.4817

■ 27.2626, 14.1599,  
1.4915

■ 80.9614, 92.7371,  
108.2407

■ 27.1516, 13.9973,  
1.2707

# Harmonies

## Analogous

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



40.7159, 32.7685, 38.9229



39.9796, 32.7685, 26.7721



36.7711, 32.7685, 19.1333

# Triad

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



39.9796, 32.7685, 26.7721



24.6483, 32.7685, 22.5149



30.0585, 32.7685, 66.9737

# Complementary

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



39.9796, 32.7685, 26.7721



45.2578, 56.9067, 70.8862

# 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.



26.1251, 32.7685, 59.7562



39.9796, 32.7685, 26.7721



23.2062, 32.7685, 32.6211

# Square

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



39.9796, 32.7685, 26.7721



27.8564, 32.7685, 17.1286



23.7192, 32.7685, 46.3709



34.6838, 32.7685, 64.3097



# Rectangle

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



39.9796, 32.7685, 26.7721



33.8175, 32.7685, 16.6141



23.7192, 32.7685, 46.3709



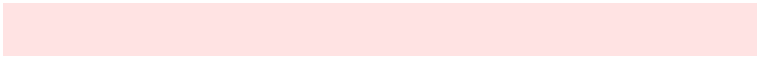
28.6181, 32.7685, 65.5732

# Sweetspot

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



39.9805, 32.7701, 26.7727



82.5541, 81.7150, 84.0584



47.5604, 35.8011, 66.6910



17.3685, 17.0493, 17.3927



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.



39.9805, 32.7701, 26.7727



55.9762, 42.8240, 31.2228



46.3983, 45.6057, 28.9120



12.4234, 12.4209, 12.9034



16.7620, 8.6413, 0.7845



1.0110, 0.5212, 0.0473

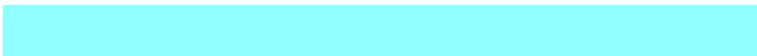


# Inverse Universe

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



45.2578, 56.9067, 70.8862



65.1010, 84.5576, 107.4978



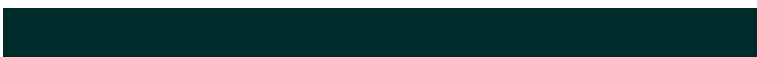
36.6591, 39.7093, 68.0200



12.7922, 14.1078, 15.9864



21.8691, 32.0000, 43.4771



1.3191, 1.9301, 2.6223



# Previews

## White Background



This preview shows how the XYZ color 39.9796, 32.7685, 26.7721 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

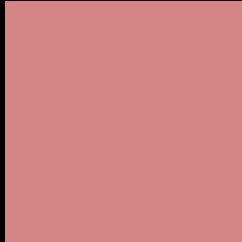
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.9796, 32.7685, 26.7721 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 39.9796, 32.7685, 26.7721**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.9796, 32.7685, 26.7721.



This preview shows how white text looks on a background with the XYZ color 39.9796, 32.7685,

26.7721.

# 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

39.9796, 32.7685, 26.7721

### Protanopia

31.5301, 33.0641, 31.5083

### Deuteranopia

33.5935, 33.0351, 26.0786



## Tritanopia

40.7860, 32.9044, 30.1881

# Trichromacy



## Original Color

39.9796, 32.7685, 26.7721

## Protanomaly

34.0638, 32.4938, 29.6759

## Deuteranomaly

35.6240, 32.6888, 26.2618

## Tritanomaly

40.5617, 32.8146, 29.0070

# Monochromacy



## Original Color

39.9796, 32.7685, 26.7721

## Achromatopsia

32.0474, 33.7164, 36.7171

## Achromatomaly

34.3037, 33.0119, 32.9977

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.9796, 32.7685, 26.7721 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, 134, 134)` looks like.

```
.text, #text, p{  
    color:rgb(212, 134, 134)  
}
```

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, 134, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 134, 134) }
```

## Border

The CSS property to change the border of an element to XYZ 39.9796, 32.7685, 26.7721 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, 134, 134) }
```



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

```
.border{ border-color:rgb(212, 134, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 134, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 134, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 134, 134);  
box-shadow:4px 4px 4px 4px rgb(212, 134,  
134) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.9796, 32.7685, 26.7721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 134, 134) }
```

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

```
.background{ background-color: rgb(212,  
134, 134) }
```

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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