

# Converting Colors

XYZ(31.7764, 26.6891, 28.1082)

Have a look what the booklet for  
XYZ(31.7764, 26.6891, 28.1082)  
contains.

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# Color

**XYZ(31.8344, 26.7510,  
28.2966)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B87D8C
RGB	184, 125, 140
RGB Percent	72%, 49%, 55%
CMY	0.2784, 0.5098, 0.4510
CMYK	0.00, 0.32, 0.24, 0.28
HSL	345°, 29%, 61%
HSV	345°, 32%, 72%
XYZ	31.8344, 26.7510, 28.2966
YIQ	144.3510, 30.3490, 17.1730

# Conversions

## Conversions Part 2

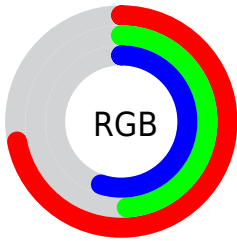
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 125, 140
Decimal	12090764
CIELab	58.74, 25.07, 1.24
CIELCh	59, 25.096, 2.825
Yxy	26.7510, 0.3664, 0.3079
Android (android.graphics.Color)	4290280844 (0xFFB87D8C)
YUV	144.3510, -2.1450, 34.7722
Hunter-Lab	51.7214, 19.3540, 3.7676

# Details

The XYZ color **31.8344, 26.7510, 28.2966** is a dark color, and the websafe version is hex **CC9999**. A complement of this color would be **32.7605, 41.5062, 43.8229**, and the grayscale version is **26.6512, 28.0391, 30.5346**.

A 20% lighter version of the original color is **61.8217, 54.3918, 57.6924**, and **13.5675, 10.5162, 10.9876** is the 20% darker color. If you saturate the color by 10%, you get **28.7677, 22.1371, 22.5896**, and if you desaturate by 10%, it is **35.4603, 32.2809, 34.8133**.

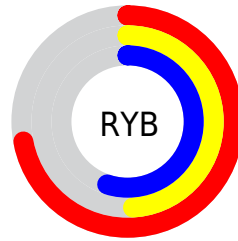
# Distribution



Red (72%)

Green (49%)

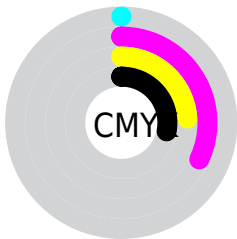
Blue (55%)



Red (72%)

Yellow (49%)

Blue (55%)

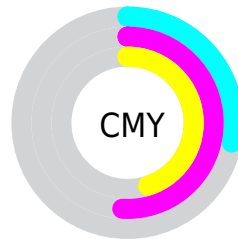


Cyan (0%)

Magenta (32%)

Yellow (24%)

Black (28%)



Cyan (28%)

Magenta (51%)

Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8344, 26.7510, 28.2966 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 31.8344, 26.7510, 28.2966 by changing the saturation by 10% instead.



■ 31.8344, 26.7510,  
28.2966

■ 31.8344, 26.7510,  
28.2966

302.1229,  
286.4495, 307.8379

■ 21.3900, 17.3863,  
18.3084

■ 61.9183, 54.4840,  
57.9864

■ 13.5234, 10.5103,  
10.9999

■ 82.2886, 73.6212,  
78.5251

■ 7.8694, 5.7386,  
5.9526

■ 106.6981, 96.7846,  
103.4177

■ 4.0626, 2.6868,  
2.7479

135.5123,  
124.3587, 133.0827

■ 1.7376, 0.9705,  
0.9674

169.0965,  
156.7278, 167.9387

■ 0.4796, 0.0000,  
0.0000

207.8161,

■ 0.0000, 0.0000,

194.2764, 208.4042

0.0000

252.0365,  
237.3888, 254.8977

■ 31.8344, 26.7510,  
28.2966

■ 31.8344, 26.7510,  
28.2966

■ 28.7677, 22.1371,  
22.5896

■ 35.4603, 32.2809,  
34.8133

■ 26.2294, 18.3857,  
17.6582

■ 39.6696, 38.7688,  
42.1684

■ 24.1893, 15.4439,  
13.4685


■ 44.4878, 46.2588,  
50.3914


■ 22.6129, 13.2512,  
9.9831


■ 49.9380, 54.7908,  
59.5096


■ 21.4610, 11.7383,  
7.1611

■ 56.0424, 64.4030,  
69.5494


 20.6877, 10.8230,  
4.9570

 62.8218, 75.1312,  
80.5357

 20.2758, 10.3938,  
3.6028

 70.2963, 87.0099,  
92.4928

 72.7487, 88.5990,  
103.5318

 73.5773, 88.9304,  
107.8951

# Harmonies

## Analogous

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



31.0868, 26.7510, 37.6109



31.8344, 26.7510, 28.2966



30.7531, 26.7510, 20.8423

# Triad

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



31.8344, 26.7510, 28.2966



22.3392, 26.7510, 17.0398



22.8077, 26.7510, 47.0402

# Complementary

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



31.8344, 26.7510, 28.2966



32.7605, 41.5062, 43.8229

# 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.



20.7526, 26.7510, 39.3599



31.8344, 26.7510, 28.2966



20.4979, 26.7510, 22.0262

# Square

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



31.8344, 26.7510, 28.2966



25.1343, 26.7510, 15.2224



19.9411, 26.7510, 29.9741



25.7200, 26.7510, 49.6440



# Rectangle

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



31.8344, 26.7510, 28.2966



29.1881, 26.7510, 17.5633



19.9411, 26.7510, 29.9741



22.0020, 26.7510, 44.8993

# Sweetspot

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



31.8351, 26.7523, 28.2971



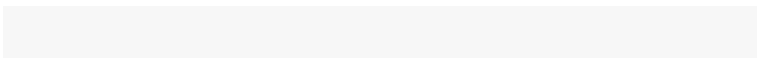
73.4813, 72.7107, 79.1447



32.1916, 26.4834, 48.7627



15.5913, 15.2879, 16.6321



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.8351, 26.7523, 28.2971



53.9440, 42.8154, 44.3339



32.6686, 30.0699, 23.4858



9.0958, 9.0487, 9.8518



13.9986, 7.1732, 2.6135



0.5193, 0.2632, 0.2282



# Inverse Universe

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



31.8351, 26.7523, 28.2971



53.9440, 42.8154, 44.3339



31.5286, 36.6585, 50.7617



9.0958, 9.0487, 9.8518



13.9986, 7.1732, 2.6135

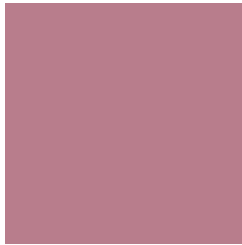


0.5193, 0.2632, 0.2282



# Previews

## White Background



This preview shows how the XYZ color 31.8344, 26.7510, 28.2966 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

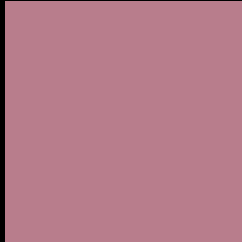
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 31.8344, 26.7510, 28.2966 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

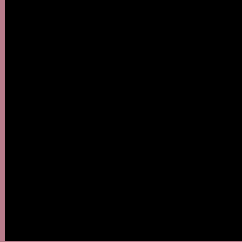
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 31.8344, 26.7510, 28.2966**

## **Background**



This preview shows how black text looks on a background with the XYZ color 31.8344, 26.7510, 28.2966.



This preview shows how white text looks on a background with the XYZ color 31.8344, 26.7510,



# 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

31.8344, 26.7510, 28.2966

### Protanopia

26.1050, 26.9705, 32.2637

### Deuteranopia

27.4377, 26.8944, 27.7898



## Tritanopia

31.6012, 26.8613, 26.4409

# Trichromacy



## Original Color

31.8344, 26.7510, 28.2966

## Protanomaly

27.7569, 26.5714, 30.8600

## Deuteranomaly

28.9841, 26.8546, 28.0819

## Tritanomaly

31.7434, 26.9182, 27.1896

# Monochromacy



## Original Color

31.8344, 26.7510, 28.2966

## Achromatopsia

26.5089, 27.8894, 30.3716

## Achromatomaly

28.2017, 27.2454, 29.7591

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 31.8344, 26.7510, 28.2966 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(184, 125, 140)` looks like.

```
.text, #text, p{  
    color:rgb(184, 125, 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(184, 125, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 125, 140) }
```

## Border

The CSS property to change the border of an element to XYZ 31.8344, 26.7510, 28.2966 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(184, 125, 140) }
```



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

```
.border{ border-color:rgb(184, 125, 140) }
```

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

Here you see how a box with a 4 pixel rgb(184, 125, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 125, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 125, 140);  
box-shadow:4px 4px 4px 4px rgb(184, 125,  
140) }
```

# Background

The CSS property to change the background color of an element to XYZ 31.8344, 26.7510, 28.2966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 125, 140) }
```

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

```
.background{ background-color: rgb(184,  
125, 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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