

# Converting Colors

XYZ(31.9264, 25.6929, 28.6242)

Have a look what the booklet for  
XYZ(31.9264, 25.6929, 28.6242)  
contains.

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# Color

**XYZ(31.8981, 25.6815,  
28.4751)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BB778D
RGB	187, 119, 141
RGB Percent	73%, 47%, 55%
CMY	0.2667, 0.5333, 0.4471
CMYK	0.00, 0.36, 0.25, 0.27
HSL	341°, 33%, 60%
HSV	341°, 36%, 73%
XYZ	31.8981, 25.6815, 28.4751
YIQ	141.8400, 33.4660, 21.2580

# Conversions

## Conversions Part 2

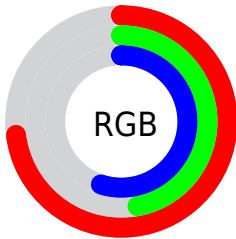
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	187, 119, 141
Decimal	12285837
CIE Lab	57.73, 29.65, -0.77
CIE LCh	58, 29.659, 358.509
Yxy	25.6815, 0.3707, 0.2984
Android (android.graphics.Color)	4290475917 (0xFFBB778D)
YUV	141.8400, -0.4141, 39.6053
Hunter-Lab	50.6769, 23.6705, 2.1591

# Details

The XYZ color **31.8981, 25.6815, 28.4751** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **32.1708, 42.1800, 42.0454**, and the grayscale version is **25.6409, 26.9762, 29.3771**.

A 20% lighter version of the original color is **61.9111, 52.6783, 58.5346**, and **13.5322, 9.9171, 11.0985** is the 20% darker color. If you saturate the color by 10%, you get **28.9995, 21.3055, 23.1270**, and if you desaturate by 10%, it is **35.3436, 30.9787, 34.5366**.

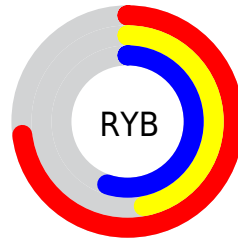
# Distribution



Red (73%)

Green (47%)

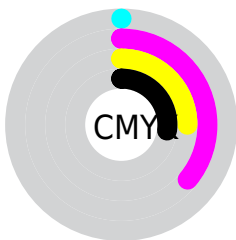
Blue (55%)



Red (73%)

Yellow (47%)

Blue (55%)

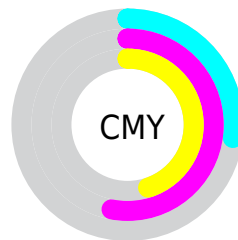


Cyan (0%)

Magenta (36%)

Yellow (25%)

Black (27%)



Cyan (27%)

Magenta (53%)

Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8981, 25.6815, 28.4751 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 31.8981, 25.6815, 28.4751 by changing the saturation by 10% instead.



■ 31.8981, 25.6815,  
28.4751

■ 31.8981, 25.6815,  
28.4751

302.4083,  
281.2151, 308.7133

■ 21.4388, 16.5855,  
18.4419

■ 62.0176, 52.7607,  
58.2743

■ 13.5594, 9.9394,  
11.0950

■ 82.4085, 71.5127,  
78.8774

■ 7.8945, 5.3588,  
6.0158

■ 106.8407, 94.2521,  
103.8409

■ 4.0788, 2.4593,  
2.7858

135.6796,  
121.3634, 133.5833

■ 1.7468, 0.8561,  
0.9863

169.2904,  
153.2310, 168.5232

■ 0.4853, 0.0000,  
0.0000

208.0386,

■ 0.0000, 0.0000,

190.2392, 209.0792

0.0000

252.2894,  
232.7724, 255.6697

■ 31.8981, 25.6815,  
28.4751

■ 31.8981, 25.6815,  
28.4751

■ 28.9995, 21.3055,  
23.1270

■ 35.3436, 30.9787,  
34.5366

■ 26.6161, 17.7939,  
18.4632

■ 39.3609, 37.2421,  
41.3358

■ 24.7165, 15.0896,  
14.4546


■ 43.9760, 44.5184,  
48.8980


■ 23.2644, 13.1265,  
11.0694


■ 49.2126, 52.8498,  
57.2465


■ 22.2183, 11.8283,  
8.2723


■ 55.0932, 62.2765,  
66.4037


 21.5245, 11.0954,  
6.0228

 61.6390, 72.8363,  
76.3911

 21.3224, 10.8964,  
5.3231

 68.8704, 84.5653,  
87.2292

 72.3118, 88.5081,  
97.4398

 74.2807, 89.2957,  
107.8082

# Harmonies

## Analogous

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



30.7129, 25.6815, 39.4827



31.8981, 25.6815, 28.4751



30.9205, 25.6815, 19.6230

# Triad

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



31.8981, 25.6815, 28.4751



21.2909, 25.6815, 14.0495



21.0110, 25.6815, 48.1922

# Complementary

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



31.8981, 25.6815, 28.4751



32.1708, 42.1800, 42.0454

# 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.



18.8834, 25.6815, 38.3830



31.8981, 25.6815, 28.4751



19.0336, 25.6815, 18.9347

# Square

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



31.8981, 25.6815, 28.4751



24.5877, 25.6815, 12.6062



18.1955, 25.6815, 27.4567



24.2321, 25.6815, 52.4454



# Rectangle

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



31.8981, 25.6815, 28.4751



29.2226, 25.6815, 15.7153



18.1955, 25.6815, 27.4567



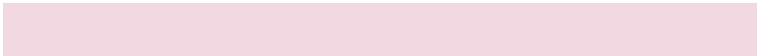
20.1562, 25.6815, 45.3343

# Sweetspot

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



31.8988, 25.6827, 28.4756



74.6428, 73.2237, 80.8790



30.9462, 24.7108, 50.1527



16.1916, 15.7375, 17.4073



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438



# Same Dimension

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



31.8988, 25.6827, 28.4756



52.7292, 39.3418, 42.9148



31.8513, 27.9520, 21.1707



9.6540, 9.5859, 10.5668



14.7210, 7.5195, 3.8242



0.6073, 0.3068, 0.3115



# Inverse Universe

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



31.8988, 25.6827, 28.4756



52.7292, 39.3418, 42.9148



32.0384, 38.4308, 52.7434



9.6540, 9.5859, 10.5668



14.7210, 7.5195, 3.8242

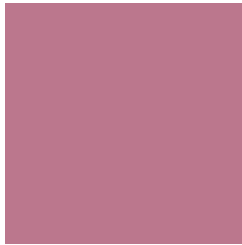


0.6073, 0.3068, 0.3115



# Previews

## White Background



This preview shows how the XYZ color 31.8981, 25.6815, 28.4751 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

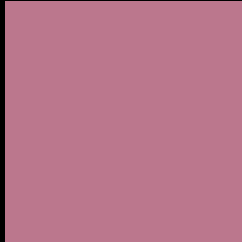
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 31.8981, 25.6815, 28.4751 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 31.8981, 25.6815, 28.4751

## Background



This preview shows how black text looks on a background with the XYZ color 31.8981, 25.6815, 28.4751.



This preview shows how white text looks on a background with the XYZ color 31.8981, 25.6815,



# 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

31.8981, 25.6815, 28.4751

### Protanopia

25.3195, 25.8801, 33.7979

### Deuteranopia

26.3883, 25.9352, 27.6599



## Tritanopia

31.1163, 25.7256, 24.4446

# Trichromacy



## Original Color

31.8981, 25.6815, 28.4751

## Protanomaly

27.2514, 25.4704, 31.9138

## Deuteranomaly

28.0275, 25.5639, 27.8832

## Tritanomaly

31.2692, 25.5933, 25.8462

# Monochromacy



## Original Color

31.8981, 25.6815, 28.4751

## Achromatopsia

25.7108, 27.0498, 29.4572

## Achromatomaly

27.5081, 26.2723, 29.2124

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 31.8981, 25.6815, 28.4751 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(187, 119, 141)` looks like.

```
.text, #text, p{  
    color:rgb(187, 119, 141)  
}
```

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(187, 119, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 119, 141) }
```

## Border

The CSS property to change the border of an element to XYZ 31.8981, 25.6815, 28.4751 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(187, 119, 141) }
```



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

```
.border{ border-color:rgb(187, 119, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 119, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 119, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 119, 141);  
box-shadow:4px 4px 4px 4px rgb(187, 119,  
141) }
```

# Background

The CSS property to change the background color of an element to XYZ 31.8981, 25.6815, 28.4751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 119, 141) }
```

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

```
.background{ background-color: rgb(187,  
119, 141) }
```

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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