

Converting Colors

XYZ(31.9137, 27.2759, 23.6615)

Have a look what the booklet for
XYZ(31.9137, 27.2759, 23.6615)
contains.

XYZ(31.9137, 27.2758, 23.6614)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.9137, 27.2758,
23.6614)**

Conversions

Conversions Part 1

Format	Color
Hex	BB7F7F
RGB	187, 127, 127
RGB Percent	73%, 50%, 50%
CMY	0.2667, 0.5019, 0.5020
CMYK	0.00, 0.32, 0.32, 0.27
HSL	0°, 31%, 62%
HSV	0°, 32%, 73%
XYZ	31.9137, 27.2758, 23.6614
YIQ	144.9400, 35.7600, 12.7200

Conversions

Conversions Part 2

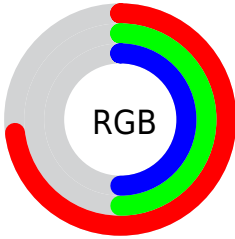
Format	Color
R_{YB}	187, 127, 127
Decimal	12287871
CIE Lab	59.23, 23.26, 9.46
CIE LCh	59, 25.112, 22.137
Yxy	27.2758, 0.3852, 0.3292
Android (android.graphics.Color)	4290477951 (0xFFBB7F7F)
YUV	144.9400, -8.8444, 36.8866
Hunter-Lab	52.2262, 17.6794, 9.6967

Details

The XYZ color **31.9137, 27.2758, 23.6614** is a dark color, and the websafe version is hex **CC9999**. A complement of this color would be **35.4919, 43.6393, 53.5666**, and the grayscale version is **26.9145, 28.3161, 30.8363**.

A 20% lighter version of the original color is **61.8677, 55.1709, 50.5683**, and **13.5447, 10.7633, 8.5714** is the 20% darker color. If you saturate the color by 10%, you get **28.6113, 22.4437, 17.0956**, and if you desaturate by 10%, it is **35.8919, 33.0974, 31.5691**.

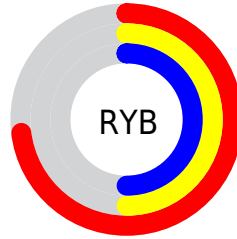
Distribution



Red (73%)

Green (50%)

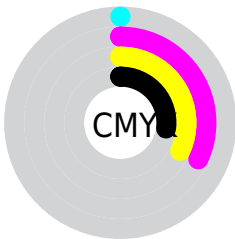
Blue (50%)



Red (73%)

Yellow (50%)

Blue (50%)

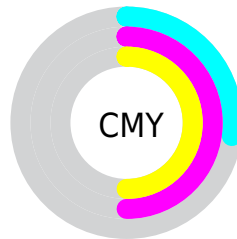


Cyan (0%)

Magenta (32%)

Yellow (32%)

Black (27%)



Cyan (27%)

Magenta (50%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9137, 27.2758, 23.6614 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 31.9137, 27.2758, 23.6614 by changing the saturation by 10% instead.

■ 31.9137, 27.2758,
23.6614

■ 31.9137, 27.2758,
23.6614

302.4782,
288.9900, 284.3354

■ 21.4508, 17.7805,
14.8728

■ 62.0419, 55.3261,
50.4140

■ 13.5683, 10.7925,
8.5845

■ 82.4379, 74.6499,
69.2150

■ 7.9007, 5.9275,
4.3781

■ 106.8757, 98.0186,
92.1905

■ 4.0827, 2.8010,
1.8350

135.7205,
125.8167, 119.7592

■ 1.7490, 1.0288,
0.4509

169.3379,
158.4284, 152.3394

■ 0.4867, 0.0000,
0.0000

208.0930,

■ 0.0000, 0.0000,

196.2383, 190.3499

0.0000

252.3514,
239.6307, 234.2090

■ 31.9137, 27.2758,
23.6614

■ 31.9137, 27.2758,
23.6614

■ 28.6113, 22.4437,
17.0956

■ 35.8919, 33.0974,
31.5691

■ 25.9452, 18.5424,
11.7956

■ 40.5784, 39.9549,
40.8855

■ 23.8752, 15.5133,
7.6806

■ 46.0058, 47.8968,
51.6752

■ 22.3553, 13.2893,
4.6594

■ 52.2045, 56.9671,
63.9981

■ 21.3333, 11.7937,
2.6279

■ 59.2028, 67.2076,
77.9108

■ 20.7466, 10.9351,
1.4617

■ 67.0280, 78.6579,
93.4671

■ 20.4938, 10.5651,
0.9591

■ 74.3036, 89.3049,
107.9291

Harmonies

Analogous

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



32.3607, 27.2758, 32.1217



31.9137, 27.2758, 23.6614



29.8002, 27.2758, 18.0560

Triad

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



31.9137, 27.2758, 23.6614



21.4545, 27.2758, 20.3196



25.1095, 27.2758, 50.2728

Complementary

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



31.9137, 27.2758, 23.6614



35.4919, 43.6393, 53.5666

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.



22.4009, 27.2758, 45.5045



31.9137, 27.2758, 23.6614



20.4044, 27.2758, 27.4008

Square

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



31.9137, 27.2758, 23.6614



23.7208, 27.2758, 16.4148



20.7364, 27.2758, 36.6844



28.2613, 27.2758, 48.7135

Rectangle

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



31.9137, 27.2758, 23.6614



27.8166, 27.2758, 16.1202



20.7364, 27.2758, 36.6844



24.1208, 27.2758, 49.3280

Sweetspot

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



31.9144, 27.2771, 23.6619



74.4402, 74.1413, 76.7341



37.0528, 29.3317, 50.7227



16.1066, 15.9081, 16.3288



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.



31.9144, 27.2771, 23.6619



52.5863, 42.1627, 33.2893



36.3816, 36.2114, 25.1510



9.5302, 9.5365, 9.9151



14.1203, 7.2794, 0.6608



0.5531, 0.2852, 0.0259

Inverse Universe

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



35.4919, 43.6393, 53.5666



60.0612, 76.3504, 95.7729



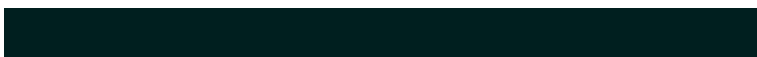
29.7793, 32.2142, 51.6624



9.8086, 10.8095, 12.2417



18.4225, 26.9567, 36.6251



0.7216, 1.0559, 1.4346

Previews

White Background



This preview shows how the XYZ color 31.9137, 27.2758, 23.6614 looks on a white background.

Color Contrast Check

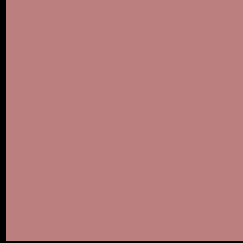
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.9137, 27.2758, 23.6614 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

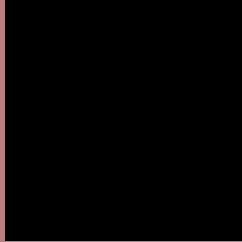
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.9137, 27.2758, 23.6614

Background



This preview shows how black text looks on a background with the XYZ color 31.9137, 27.2758, 23.6614.



This preview shows how white text looks on a background with the XYZ color 31.9137, 27.2758,

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

31.9137, 27.2758, 23.6614

Protanopia

26.0788, 27.2983, 26.8163

Deuteranopia

27.8944, 27.4442, 23.2291



Tritanopia

32.5731, 27.3623, 26.4863

Trichromacy



Original Color

31.9137, 27.2758, 23.6614

Protanomaly

28.0108, 27.2386, 25.6111

Deuteranomaly

29.3043, 27.3272, 23.4688

Tritanomaly

32.3647, 27.2790, 25.3894

Monochromacy



Original Color

31.9137, 27.2758, 23.6614

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

28.1731, 27.4855, 27.8651

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9137, 27.2758, 23.6614 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, 127, 127)` looks like.

```
.text, #text, p{  
    color:rgb(187, 127, 127)  
}
```

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, 127, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 127, 127) }
```

Border

The CSS property to change the border of an element to XYZ 31.9137, 27.2758, 23.6614 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, 127, 127) }
```


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

```
.border{ border-color:rgb(187, 127, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 127, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 127, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 127, 127);  
box-shadow:4px 4px 4px 4px rgb(187, 127,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9137, 27.2758, 23.6614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 127, 127) }
```

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

```
.background{ background-color: rgb(187,  
127, 127) }
```

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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