

Converting Colors

XYZ(31.7427, 27.7261, 19.8107)

Have a look what the booklet for
XYZ(31.7427, 27.7261, 19.8107)
contains.

XYZ(31.6838, 27.6297, 19.8828)	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(31.6838, 27.6297,
19.8828)**

Conversions

Conversions Part 1

Format	Color
Hex	BC8173
RGB	188, 129, 115
RGB Percent	74%, 51%, 45%
CMY	0.2627, 0.4941, 0.5490
CMYK	0.00, 0.31, 0.39, 0.26
HSL	12°, 35%, 59%
HSV	12°, 39%, 74%
XYZ	31.6838, 27.6297, 19.8828
YIQ	145.0450, 39.6580, 8.1540

Conversions

Conversions Part 2

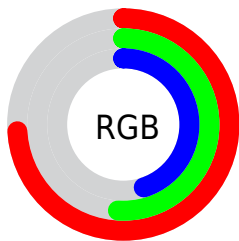
Format	Color
R_{YB}	188, 132, 115
Decimal	12353907
CIE _{Lab}	59.55, 21.03, 16.80
CIE _{LCh}	60, 26.913, 38.617
Yxy	27.6297, 0.4001, 0.3489
Android (android.graphics.Color)	4290543987 (0xFFBC8173)
YUV	145.0450, -14.8122, 37.6715
Hunter-Lab	52.5640, 15.6069, 14.3678

Details

The XYZ color **31.6838, 27.6297, 19.8828** is a dark color, and the websafe version is hex **CC9999**. A complement of this color would be **31.2827, 37.5463, 53.1753**, and the grayscale version is **26.9796, 28.3846, 30.9108**.

A 20% lighter version of the original color is **61.7090, 55.8387, 44.0848**, and **13.4820, 10.9838, 6.7197** is the 20% darker color. If you saturate the color by 10%, you get **28.8557, 23.5318, 14.1362**, and if you desaturate by 10%, it is **35.0316, 32.4137, 26.8917**.

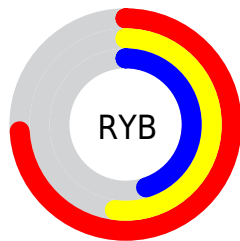
Distribution



Red (74%)

Green (51%)

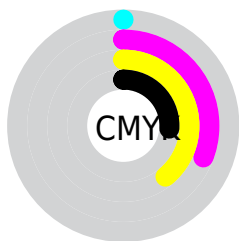
Blue (45%)



Red (74%)

Yellow (52%)

Blue (45%)

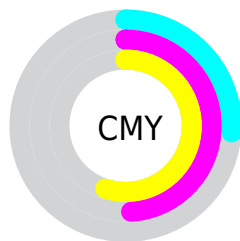


Cyan (0%)

Magenta (31%)

Yellow (39%)

Black (26%)



Cyan (26%)

Magenta (49%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6838, 27.6297, 19.8828 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 31.6838, 27.6297, 19.8828 by changing the saturation by 10% instead.

■ 31.6838, 27.6297,
19.8828

■ 31.6838, 27.6297,
19.8828

301.4473,
290.6932, 263.8632

■ 21.2745, 18.0467,
12.1266

■ 61.6836, 55.8927,
44.0770

■ 13.4384, 10.9835,
6.7064

■ 82.0048, 75.3415,
61.3521

■ 7.8102, 6.0558,
3.2035

■ 106.3606, 98.8477,
82.6373

■ 4.0245, 2.8790,
1.1995

135.1165,
126.7956, 108.3511

■ 1.7160, 1.0689,
0.0000

168.6377,
159.5698, 138.9120

■ 0.4663, 0.0000,
0.0000

207.2897,

■ 0.0000, 0.0000,

197.5545, 174.7387

0.0000

251.4378,
241.1342, 216.2495

■ 31.6838, 27.6297,
19.8828

■ 31.6838, 27.6297,
19.8828

■ 28.8557, 23.5318,
14.1362

■ 35.0316, 32.4137,
26.8917

■ 26.5185, 20.0844,
9.5746

■ 38.9215, 37.9094,
35.2304

■ 24.6440, 17.2547,
6.1152


■ 43.3774, 44.1457,
44.9635

■ 23.1998, 15.0055,
3.6634


■ 48.4208, 51.1490,
56.1512


■ 22.1492, 13.2952,
2.1084


■ 54.0724, 58.9442,
68.8497

 21.4392, 12.0725,
1.2635

 60.3517, 67.5551,
83.1126

 21.3719, 11.9571,
1.1815

 67.2772, 77.0046,
98.9907

 73.1465, 86.6264,
107.4731

 74.5490, 89.4314,
107.9406

Harmonies

Analogous

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



33.2387, 27.6297, 27.3759



31.6838, 27.6297, 19.8828



28.7073, 27.6297, 15.8474

Triad

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



31.6838, 27.6297, 19.8828



20.6532, 27.6297, 23.7849



27.2488, 27.6297, 52.5420

Complementary

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



31.6838, 27.6297, 19.8828



31.2827, 37.5463, 53.1753

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.



23.9582, 27.6297, 51.0011



31.6838, 27.6297, 19.8828



20.3356, 27.6297, 32.9651

Square

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



31.6838, 27.6297, 19.8828



22.4038, 27.6297, 17.7403



21.4955, 27.6297, 43.2864



30.5378, 27.6297, 47.1313

Rectangle

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



31.6838, 27.6297, 19.8828



26.4187, 27.6297, 15.0283



21.4955, 27.6297, 43.2864



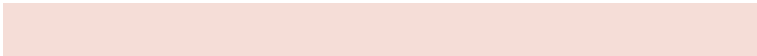
26.1044, 27.6297, 52.8400

Sweetspot

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



31.6845, 27.6310, 19.8833



75.7789, 76.0490, 75.2609



34.5701, 26.0332, 43.5632



16.0671, 16.0340, 15.6839



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.



31.6845, 27.6310, 19.8833



52.7970, 43.3782, 26.6192



37.2677, 38.7975, 21.7444



9.6744, 9.8247, 9.9631



14.5929, 8.2246, 0.8184



0.6168, 0.4126, 0.0471

Inverse Universe

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



31.2827, 37.5463, 53.1753



51.9326, 63.9360, 95.8299



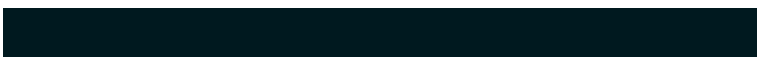
25.2528, 25.4864, 51.1653



9.6488, 10.4900, 12.1884



13.8694, 17.8505, 35.1074



0.5840, 0.7806, 1.3887

Previews

White Background



This preview shows how the XYZ color 31.6838, 27.6297, 19.8828 looks on a white background.

Color Contrast Check

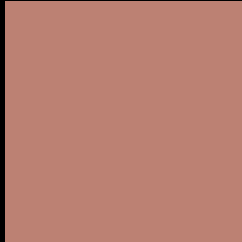
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.6838, 27.6297, 19.8828 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 31.6838, 27.6297, 19.8828

Background



This preview shows how black text looks on a background with the XYZ color 31.6838, 27.6297, 19.8828.



This preview shows how white text looks on a background with the XYZ color 31.6838, 27.6297,

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

31.6838, 27.6297, 19.8828

Protanopia

26.0978, 27.6294, 22.3699

Deuteranopia

28.2176, 27.6940, 19.4810



Tritanopia

33.1400, 27.6464, 26.8822

Trichromacy



Original Color

31.6838, 27.6297, 19.8828

Protanomaly

27.7281, 27.4014, 21.2803

Deuteranomaly

29.3804, 27.6568, 19.7094

Tritanomaly

32.4719, 27.5561, 24.0295

Monochromacy



Original Color

31.6838, 27.6297, 19.8828

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

28.2336, 27.7635, 26.4251

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6838, 27.6297, 19.8828 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(188, 129, 115)` looks like.

```
.text, #text, p{  
    color:rgb(188, 129, 115)  
}
```

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(188, 129, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 129, 115) }
```

Border

The CSS property to change the border of an element to XYZ 31.6838, 27.6297, 19.8828 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(188, 129, 115) }
```


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

```
.border{ border-color:rgb(188, 129, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 129, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 129, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 129, 115);  
box-shadow:4px 4px 4px 4px rgb(188, 129,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6838, 27.6297, 19.8828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 129, 115) }
```

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

```
.background{ background-color: rgb(188,  
129, 115) }
```

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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