

Converting Colors

XYZ(29.7354, 27.0633, 8.9670)

Have a look what the booklet for
XYZ(29.7354, 27.0633, 8.9670)
contains.

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Color

**XYZ(29.7348, 27.0619,
8.9665)**

Conversions

Conversions Part 1

Format	Color
Hex	BC8243
RGB	188, 130, 67
RGB Percent	74%, 51%, 26%
CMY	0.2627, 0.4902, 0.7372
CMYK	0.00, 0.31, 0.64, 0.26
HSL	31°, 47%, 50%
HSV	31°, 64%, 74%
XYZ	29.7348, 27.0619, 8.9665
YIQ	140.1600, 54.7910, -7.2970

Conversions

Conversions Part 2

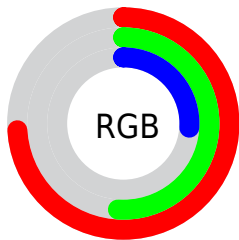
Format	Color
R _Y B	178, 188, 67
Decimal	12354115
CIE Lab	59.03, 16.01, 42.35
CIE LCh	59, 45.278, 69.287
Yxy	27.0619, 0.4521, 0.4115
Android (android.graphics.Color)	4290544195 (0xFFBC8243)
YUV	140.1600, -36.0679, 41.9557
Hunter-Lab	52.0211, 10.9923, 26.1953

Details

The XYZ color **29.7348, 27.0619, 8.9665** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **18.7251, 19.4905, 50.3518**, and the grayscale version is **25.1111, 26.4189, 28.7701**.

A 20% lighter version of the original color is **58.5021, 54.9255, 24.3479**, and **12.4117, 10.7538, 1.9938** is the 20% darker color. If you saturate the color by 10%, you get **28.1133, 24.5798, 6.0809**, and if you desaturate by 10%, it is **31.6456, 29.8299, 12.8522**.

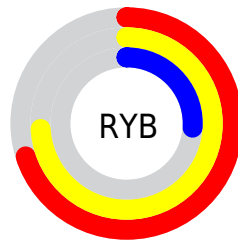
Distribution



Red (74%)

Green (51%)

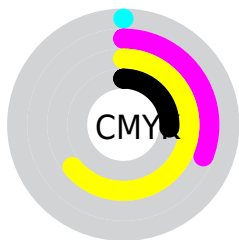
Blue (26%)



Red (70%)

Yellow (74%)

Blue (26%)

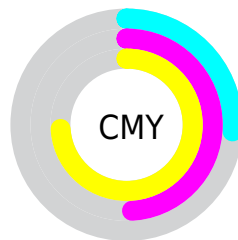


Cyan (0%)

Magenta (31%)

Yellow (64%)

Black (26%)



Cyan (26%)


Magenta (49%)


Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.7348, 27.0619, 8.9665 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 29.7348, 27.0619, 8.9665 by changing the saturation by 10% instead.


 29.7348, 27.0619,
8.9665


 29.7348, 27.0619,
8.9665


292.5984,
287.9567, 193.3367


 19.7845, 17.6197,
4.6228


 58.6320, 54.9832,
24.4092

 12.3458, 10.6773,
1.9729


 78.3096, 74.2311,
36.3453

 7.0535, 5.8503,
0.5385


 101.9604, 97.5163,
51.6493

 3.5422, 2.7543,
0.0000

 129.9496,
125.2233, 70.7398

 1.4466, 1.0048,
0.0000

 162.6426,
157.7365, 94.0352

 0.2890, 0.0000,
0.0000

200.4049,

 0.0000, 0.0000,

195.4401, 121.9541

0.0000

243.6017,
238.7188, 154.9151

■ 29.7348, 27.0619,
8.9665

■ 29.7348, 27.0619,
8.9665

■ 28.1133, 24.5798,
6.0809

■ 31.6456, 29.8299,
12.8522

■ 26.7581, 22.3667,
4.0956

■ 33.8624, 32.8913,
17.8215

■ 25.6446, 20.4096,
2.8925

■ 36.4027, 36.2582,
23.9510

■ 25.0964, 19.4063,
2.4231

■ 39.2816, 39.9405,
31.3096

■ 42.5136, 43.9477,
39.9611

■ 46.1120, 48.2887,
49.9645

■ 50.0894, 52.9722,
61.3753

■ 54.4577, 58.0062,
74.2460

■ 59.2284, 63.3988,
88.6261

Harmonies

Analogous

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



35.0218, 27.0619, 13.8958



29.7348, 27.0619, 8.9665



24.0172, 27.0619, 8.2644

Triad

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



29.7348, 27.0619, 8.9665



16.4652, 27.0619, 34.7462



33.1865, 27.0619, 60.4855

Complementary

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



29.7348, 27.0619, 8.9665



18.7251, 19.4905, 50.3518

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.



27.5046, 27.0619, 71.7612



29.7348, 27.0619, 8.9665



18.2333, 27.0619, 53.7196

Square

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



29.7348, 27.0619, 8.9665



16.8821, 27.0619, 19.8216



22.0867, 27.0619, 68.9139



37.2075, 27.0619, 41.8193

Rectangle

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



29.7348, 27.0619, 8.9665



20.7904, 27.0619, 9.8803



22.0867, 27.0619, 68.9139



31.3765, 27.0619, 65.5265

Sweetspot

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



29.7354, 27.0633, 8.9670



74.0688, 75.9792, 64.3620



26.4789, 16.1989, 21.2957



15.5730, 15.8968, 12.8957



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.



29.7354, 27.0633, 8.9670



49.9383, 42.9263, 9.4340



39.2418, 46.8085, 12.2772



9.9300, 10.3361, 10.0483



17.1619, 13.3626, 1.6747



0.7374, 0.6537, 0.0873

Inverse Universe

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



18.7251, 19.4905, 50.3518



28.4783, 28.1887, 90.1662



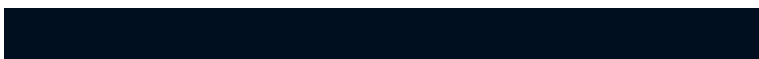
13.5399, 8.9113, 48.5831



9.3836, 9.9595, 12.1000



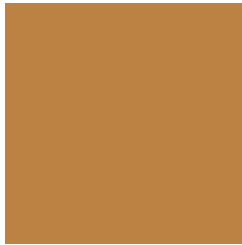
8.7493, 7.6103, 33.4007



0.4082, 0.4291, 1.3302

Previews

White Background



This preview shows how the XYZ color 29.7348, 27.0619, 8.9665 looks on a white background.

Color Contrast Check

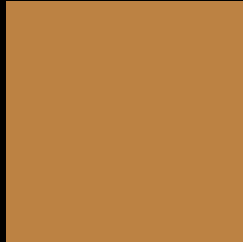
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7348, 27.0619, 8.9665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

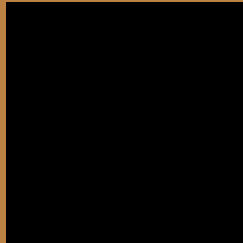
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.7348, 27.0619, 8.9665

Background



This preview shows how black text looks on a background with the XYZ color 29.7348, 27.0619, 8.9665.



This preview shows how white text looks on a background with the XYZ color 29.7348, 27.0619,

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

29.7348, 27.0619, 8.9665

Protanopia

24.8644, 27.2680, 9.9140

Deuteranopia

27.6920, 27.2318, 8.9510



Tritanopia

33.2401, 27.1693, 25.3221

Trichromacy



Original Color

29.7348, 27.0619, 8.9665

Protanomaly

26.3424, 26.9440, 9.6067

Deuteranomaly

28.3309, 27.1468, 8.9009

Tritanomaly

31.6535, 27.0808, 17.7462

Monochromacy



Original Color

29.7348, 27.0619, 8.9665

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

25.6894, 25.9687, 19.2813

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7348, 27.0619, 8.9665 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, 130, 67)` looks like.

```
.text, #text, p{  
    color:rgb(188, 130, 67)  
}
```

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, 130, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 130, 67) }
```

Border

The CSS property to change the border of an element to XYZ 29.7348, 27.0619, 8.9665 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, 130, 67) }
```


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

```
.border{ border-color:rgb(188, 130, 67) }
```

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

Here you see how a box with a 4 pixel rgb(188, 130, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 130, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 130, 67);  
box-shadow:4px 4px 4px 4px rgb(188, 130,  
67) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7348, 27.0619, 8.9665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 130, 67) }
```

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

```
.background{ background-color: rgb(188,  
130, 67) }
```

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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