

Converting Colors

XYZ(32.6820, 27.8726, 11.9623)

Have a look what the booklet for
XYZ(32.6820, 27.8726, 11.9623)
contains.

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Color

**XYZ(32.7428, 27.9610,
12.0588)**

Conversions

Conversions Part 1

Format	Color
Hex	C77F54
RGB	199, 127, 84
RGB Percent	78%, 50%, 33%
CMY	0.2196, 0.5019, 0.6706
CMYK	0.00, 0.36, 0.58, 0.22
HSL	22°, 51%, 55%
HSV	22°, 58%, 78%
XYZ	32.7428, 27.9610, 12.0588
YIQ	143.6260, 56.7150, 1.8910

Conversions

Conversions Part 2

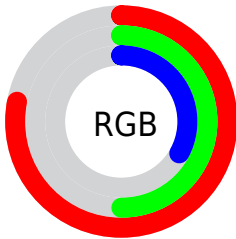
Format	Color
RYB	199, 153, 84
Decimal	13074260
CIELab	59.85, 23.55, 34.74
CIELCh	60, 41.968, 55.862
Yxy	27.9610, 0.4500, 0.3843
Android (android.graphics.Color)	4291264340 (0xFFC77F54)
YUV	143.6260, -29.3956, 48.5630
Hunter-Lab	52.8782, 17.9926, 23.4937

Details

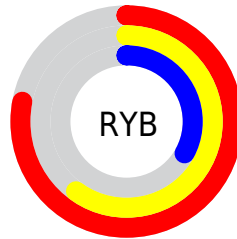
The XYZ color **32.7428, 27.9610, 12.0588** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **25.8527, 29.7837, 58.4188**, and the grayscale version is **26.4580, 27.8359, 30.3132**.

A 20% lighter version of the original color is **61.8643, 55.6237, 30.0301**, and **13.9723, 11.1040, 3.1571** is the 20% darker color. If you saturate the color by 10%, you get **30.5606, 24.6719, 8.0171**, and if you desaturate by 10%, it is **35.3467, 31.7394, 17.3338**.

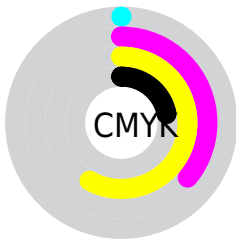
Distribution



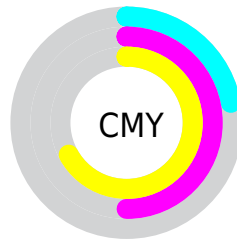
- Red (78%)
- Green (50%)
- Blue (33%)



- Red (78%)
- Yellow (60%)
- Blue (33%)



- Cyan (0%)
- Magenta (36%)
- Yellow (58%)
- Black (22%)



- Cyan (22%)
- Magenta (50%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.7428, 27.9610, 12.0588 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 32.7428, 27.9610, 12.0588 by changing the saturation by 10% instead.

■ 32.7428, 27.9610,
12.0588

■ 32.7428, 27.9610,
12.0588

306.1747,
292.2805, 215.7859

■ 22.0878, 18.2963,
6.6607

■ 63.3311, 56.4222,
30.2682

■ 14.0384, 11.1629,
3.1756

■ 83.9952, 75.9874,
43.9165

■ 8.2292, 6.1765,
1.1850

■ 108.7262, 99.6216,
61.1520

■ 4.2950, 2.9527,
0.0000

■ 137.8897,
127.7091, 82.3932

■ 1.8704, 1.1071,
0.0000

■ 171.8509,
160.6343, 108.0587

■ 0.5595, 0.0000,
0.0000

210.9753,

■ 0.0000, 0.0000,

198.7817, 138.5669

0.0000

255.6281,
242.5357, 174.3365

■ 32.7428, 27.9610,
12.0588

■ 32.7428, 27.9610,
12.0588

■ 30.5606, 24.6719,
8.0171

■ 35.3467, 31.7394,
17.3338

■ 28.7716, 21.8457,
5.1030

■ 38.3942, 36.0235,
23.9326

■ 27.3462, 19.4595,
3.1955

■ 41.9079, 40.8339,
31.9390

■ 26.2432, 17.4837,
2.1179

■ 45.9082, 46.1886,
41.4291

■ 26.0298, 17.0955,
1.9278

■ 50.4141, 52.1049,
52.4739

■ 55.4435, 58.5992,
65.1395

■ 61.0136, 65.6872,
79.4882

■ 67.1404, 73.3839,
95.5791

■ 72.5076, 81.1711,
106.4538

Harmonies

Analogous

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



36.8896, 27.9610, 19.3661



32.7428, 27.9610, 12.0588



27.3214, 27.9610, 9.5702

Triad

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



32.7428, 27.9610, 12.0588



17.6199, 27.9610, 28.3786



31.2948, 27.9610, 65.1669

Complementary

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



32.7428, 27.9610, 12.0588



25.8527, 29.7837, 58.4188

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.



25.8445, 27.9610, 70.0317



32.7428, 27.9610, 12.0588



18.3899, 27.9610, 45.1027

Square

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



32.7428, 27.9610, 12.0588



18.9737, 27.9610, 16.7812



21.2368, 27.9610, 61.7172



35.9783, 27.9610, 50.0323

Rectangle

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



32.7428, 27.9610, 12.0588



23.8759, 27.9610, 10.0590



21.2368, 27.9610, 61.7172



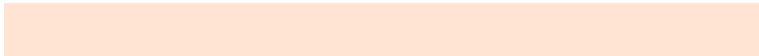
29.4725, 27.9610, 68.2357

Sweetspot

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



32.7435, 27.9624, 12.0593



80.7847, 81.4062, 73.5113



32.7951, 20.9116, 34.1317



16.9684, 16.9960, 14.9566



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



32.7435, 27.9624, 12.0593



52.7553, 42.0296, 12.7387



42.2246, 46.9247, 15.2197



10.9534, 11.2759, 11.1619



16.8156, 11.1483, 1.2656



0.8656, 0.6666, 0.0830

Inverse Universe

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



25.8527, 29.7837, 58.4188



39.5197, 45.3667, 101.2815



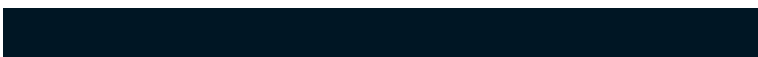
18.4586, 14.9956, 55.9541



10.6005, 11.3751, 13.5544



11.3969, 12.1877, 36.4961



0.6075, 0.7128, 1.7507

Previews

White Background



This preview shows how the XYZ color 32.7428, 27.9610, 12.0588 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 32.7428, 27.9610, 12.0588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

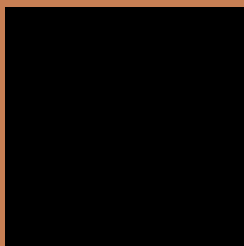
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.7428, 27.9610, 12.0588

Background



This preview shows how black text looks on a background with the XYZ color 32.7428, 27.9610, 12.0588.



This preview shows how white text looks on a background with the XYZ color 32.7428, 27.9610,

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

32.7428, 27.9610, 12.0588

Protanopia

26.1143, 28.2752, 13.9788

Deuteranopia

28.5160, 28.0163, 11.8874



Tritanopia

35.2238, 27.8430, 24.6368

Trichromacy



Original Color

32.7428, 27.9610, 12.0588

Protanomaly

28.0835, 27.7658, 13.1117

Deuteranomaly

29.8536, 27.8651, 11.9887

Tritanomaly

34.1510, 27.7757, 19.1841

Monochromacy



Original Color

32.7428, 27.9610, 12.0588

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

27.9112, 27.4746, 22.2444

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7428, 27.9610, 12.0588 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(199, 127, 84)` looks like.

```
.text, #text, p{  
    color:rgb(199, 127, 84)  
}
```

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(199, 127, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 127, 84) }
```

Border

The CSS property to change the border of an element to XYZ 32.7428, 27.9610, 12.0588 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(199, 127, 84) }
```


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

```
.border{ border-color:rgb(199, 127, 84) }
```

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

Here you see how a box with a 4 pixel rgb(199, 127, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 127, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 127, 84);  
box-shadow:4px 4px 4px 4px rgb(199, 127,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7428, 27.9610, 12.0588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 127, 84) }
```

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

```
.background{ background-color: rgb(199,  
127, 84) }
```

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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