

Converting Colors

XYZ(45.7643, 42.9773, 26.1336)

Have a look what the booklet for
XYZ(45.7643, 42.9773, 26.1336)
contains.

XYZ(45.7870, 42.8611, 26.2819)	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(45.7870, 42.8611,
26.2819)**

Conversions

Conversions Part 1

Format	Color
Hex	D9A480
RGB	217, 164, 128
RGB Percent	85%, 64%, 50%
CMY	0.1490, 0.3568, 0.4980
CMYK	0.00, 0.24, 0.41, 0.15
HSL	24°, 54%, 68%
HSV	24°, 41%, 85%
XYZ	45.7870, 42.8611, 26.2819
YIQ	175.7430, 43.1440, 0.0400

Conversions

Conversions Part 2

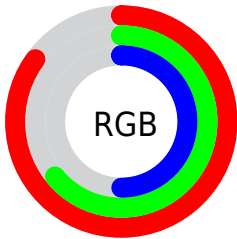
Format	Color
R _Y B	217, 188, 128
Decimal	14263424
CIE Lab	71.46, 14.97, 26.27
CIE LCh	71, 30.234, 60.319
Yxy	42.8611, 0.3984, 0.3729
Android (android.graphics.Color)	4292453504 (0xFFD9A480)
YUV	175.7430, -23.5373, 36.1824
Hunter-Lab	65.4684, 10.2689, 22.0263

Details

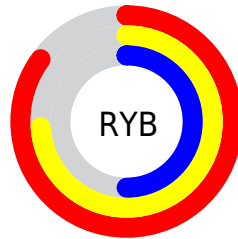
The XYZ color **45.7870, 42.8611, 26.2819** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **37.9498, 42.6452, 71.8768**, and the grayscale version is **41.2368, 43.3843, 47.2455**.

A 20% lighter version of the original color is **74.9120, 75.2592, 54.2943**, and **21.6665, 19.6120, 9.8513** is the 20% darker color. If you saturate the color by 10%, you get **42.3126, 37.9589, 18.8147**, and if you desaturate by 10%, it is **49.8040, 48.3595, 35.4377**.

Distribution



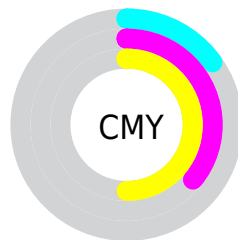
- Red (85%)
- Green (64%)
- Blue (50%)



- Red (85%)
- Yellow (74%)
- Blue (50%)



- Cyan (0%)
- Magenta (24%)
- Yellow (41%)
- Black (15%)





- Cyan (15%)
- Magenta (36%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.7870, 42.8611, 26.2819 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 45.7870, 42.8611, 26.2819 by changing the saturation by 10% instead.


 45.7870, 42.8611,
26.2819

 45.7870, 42.8611,
26.2819


360.6820,
358.0402, 297.8126

 32.2817, 29.7761,
16.8070


 83.1300, 79.5012,
54.7190

 21.7333, 19.6687,
9.9365


 107.6983,
103.8252, 74.5183

 13.7766, 12.1545,
5.2518


 136.6850,
132.6642, 98.5962

 8.0461, 6.8490,
2.3344

170.4555,
166.4028, 127.3711

 4.1765, 3.3678,
0.7504

209.3751,
205.4253, 161.2617

 1.8025, 1.3266,
0.0000

253.8091,

 0.5192, 0.1617,

250.1161, 200.6864

0.0000

304.1230,
300.8596, 246.0639

■ 0.0000, 0.0000,
0.0000

■ 45.7870, 42.8611,
26.2819

■ 45.7870, 42.8611,
26.2819

■ 42.3126, 37.9589,
18.8147

■ 49.8040, 48.3595,
35.4377

■ 39.3510, 33.6250,
12.9278

■ 54.3849, 54.4685,
46.3762

■ 36.8739, 29.8379,
8.5041


■ 59.5538, 61.2096,
59.1873

■ 34.8486, 26.5723,
5.4086


■ 65.3322, 68.6013,
73.9544


■ 33.2368, 23.7999,
3.4809

■ 71.7407, 76.6613,
90.7555

 32.0875, 21.6961,
2.4966

 78.2787, 85.1987,
106.9270

 82.2516, 93.1444,
108.2513

 82.4252, 93.4917,
108.3092

Harmonies

Analogous

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



49.7986, 42.8611, 33.8836



45.7870, 42.8611, 26.2819



40.6837, 42.8611, 23.8496

Triad

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



45.7870, 42.8611, 26.2819



31.7017, 42.8611, 46.8249



45.8892, 42.8611, 75.3364

Complementary

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



45.7870, 42.8611, 26.2819



37.9498, 42.6452, 71.8768

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.



40.7928, 42.8611, 80.7436



45.7870, 42.8611, 26.2819



32.8494, 42.8611, 62.3219

Square

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



45.7870, 42.8611, 26.2819



32.8021, 42.8611, 34.1027



36.0749, 42.8611, 75.5516



49.8610, 42.8611, 61.9943

Rectangle

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



45.7870, 42.8611, 26.2819



37.4285, 42.8611, 24.9834



36.0749, 42.8611, 75.5516



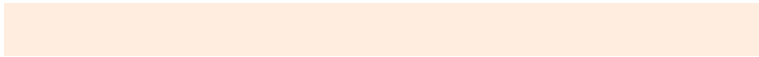
44.2374, 42.8611, 78.2528

Sweetspot

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



45.7881, 42.8631, 26.2828



84.9691, 87.1041, 83.1402



44.7163, 33.5431, 48.0495



17.9688, 18.3613, 17.2492



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.



45.7881, 42.8631, 26.2828



61.7149, 55.7575, 28.6462



55.0919, 61.4708, 29.3840



13.4863, 13.9120, 13.7001



19.5216, 13.3288, 1.5438



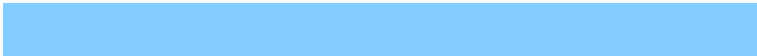
1.3479, 1.0298, 0.1277

Inverse Universe

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



37.9498, 42.6452, 71.8768



48.9641, 55.3707, 102.7147



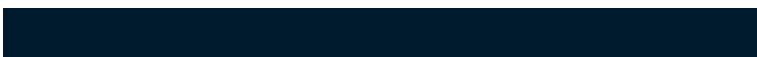
30.3584, 27.4624, 69.3463



12.9801, 13.9000, 16.6510



12.4569, 12.7833, 41.5493



0.8907, 0.9956, 2.7197

Previews

White Background



This preview shows how the XYZ color 45.7870, 42.8611, 26.2819 looks on a white background.

Color Contrast Check

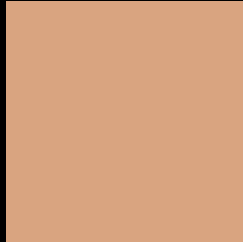
Large Text (above 18pt) WCAG AA × Fail

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 45.7870, 42.8611, 26.2819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

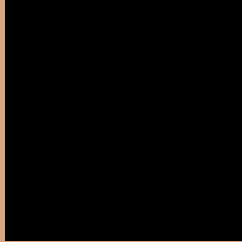
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.7870, 42.8611, 26.2819

Background



This preview shows how black text looks on a background with the XYZ color 45.7870, 42.8611, 26.2819.



This preview shows how white text looks on a background with the XYZ color 45.7870, 42.8611,

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

45.7870, 42.8611, 26.2819

Protanopia

40.3026, 43.0448, 28.3746

Deuteranopia

43.8458, 42.9475, 26.0574



Tritanopia

49.3014, 42.7282, 43.6791

Trichromacy



Original Color

45.7870, 42.8611, 26.2819

Protanomaly

42.2128, 42.9066, 27.5297

Deuteranomaly

44.5135, 43.0186, 26.0360

Tritanomaly

48.0024, 42.7238, 36.7269

Monochromacy



Original Color

45.7870, 42.8611, 26.2819

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

42.4964, 43.0846, 38.8772

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7870, 42.8611, 26.2819 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(217, 164, 128)` looks like.

```
.text, #text, p{  
    color:rgb(217, 164, 128)  
}
```

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(217, 164, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 164, 128) }
```

Border

The CSS property to change the border of an element to XYZ 45.7870, 42.8611, 26.2819 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(217, 164, 128) }
```


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

```
.border{ border-color:rgb(217, 164, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 164, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 164, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 164, 128);  
box-shadow:4px 4px 4px 4px rgb(217, 164,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7870, 42.8611, 26.2819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 164, 128) }
```

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

```
.background{ background-color: rgb(217,  
164, 128) }
```

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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