

Converting Colors

XYZ(28.6739, 27.7960, 4.9384)

Have a look what the booklet for
XYZ(28.6739, 27.7960, 4.9384)
contains.

XYZ(28.7809, 27.8825, 4.9636)	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(28.7809, 27.8825,
4.9636)**

Conversions

Conversions Part 1

Format	Color
Hex	B8881C
RGB	184, 136, 28
RGB Percent	72%, 53%, 11%
CMY	0.2784, 0.4666, 0.8902
CMYK	0.00, 0.26, 0.85, 0.28
HSL	42°, 74%, 42%
HSV	42°, 85%, 72%
XYZ	28.7809, 27.8825, 4.9636
YIQ	138.0400, 63.2760, -23.4120

Conversions

Conversions Part 2

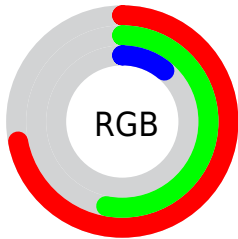
Format	Color
R_{YB}	97, 184, 28
Decimal	12093468
CIE _{Lab}	59.78, 9.11, 59.21
CIE _{LCh}	60, 59.910, 81.255
Yxy	27.8825, 0.4670, 0.4524
Android (android.graphics.Color)	4290283548 (0xFFB8881C)
YUV	138.0400, -54.2497, 40.3069
Hunter-Lab	52.8039, 4.8851, 31.3894

Details

The XYZ color **28.7809, 27.8825, 4.9636** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **11.7151, 8.8764, 46.4428**, and the grayscale version is **24.3573, 25.6257, 27.9064**.

A 20% lighter version of the original color is **57.1061, 56.2684, 16.2386**, and **12.0124, 11.2520, 1.5387** is the 20% darker color. If you saturate the color by 10%, you get **27.8481, 26.2683, 3.8784**, and if you desaturate by 10%, it is **29.8916, 29.6375, 6.7720**.

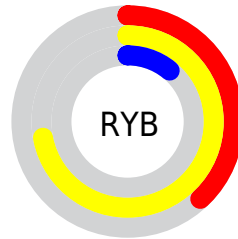
Distribution



Red (72%)

Green (53%)

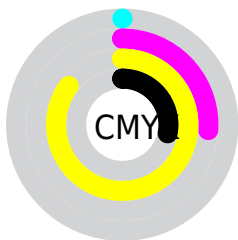
Blue (11%)



Red (38%)

Yellow (72%)

Blue (11%)

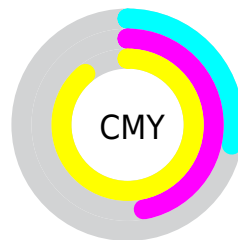


Cyan (0%)

Magenta (26%)

Yellow (85%)

Black (28%)



Cyan (28%)


Magenta (47%)


Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.7809, 27.8825, 4.9636 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 28.7809, 27.8825, 4.9636 by changing the saturation by 10% instead.


 28.7809, 27.8825,
4.9636


 28.7809, 27.8825,
4.9636


288.1927,
291.9050, 158.3994


 19.0586, 18.2371,
2.1676


 57.1288, 56.2968,
16.1773


 11.8169, 11.1203,
0.6556


 76.4850, 75.8345,
25.4321

 6.6904, 6.1478,
0.0000


 99.7833, 99.4384,
37.6769

 3.3139, 2.9352,
0.0000

 127.3890,
127.4929, 53.3301

 1.3218, 1.0980,
0.0000

 159.6674,
160.3824, 72.8105

 0.1995, 0.0000,
0.0000

 196.9839,

 0.0000, 0.0000,

198.4914, 96.5365

0.0000

239.7039,
242.2041, 124.9266

■ 28.7809, 27.8825,
4.9636

■ 28.7809, 27.8825,
4.9636

■ 27.8481, 26.2683,
3.8784

■ 29.8916, 29.6375,
6.7720

■ 27.4067, 25.4696,
3.4716

■ 31.2002, 31.5390,
9.4147

■ 32.7256, 33.5966,
12.9852

■ 34.4836, 35.8176,
17.5640

■ 36.4885, 38.2086,
23.2228

■ 38.7532, 40.7757,
30.0268

■ 41.2895, 43.5246,
38.0360

■ 44.1086, 46.4607,
47.3061

■ 47.2209, 49.5889,
57.8894

Harmonies

Analogous

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



36.7153, 27.8825, 8.0477



28.7809, 27.8825, 4.9636



21.5590, 27.8825, 5.7016

Triad

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



28.7809, 27.8825, 4.9636



15.1022, 27.8825, 48.1543



39.5788, 27.8825, 64.7138

Complementary

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



28.7809, 27.8825, 4.9636



11.7151, 8.8764, 46.4428

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.



32.1469, 27.8825, 88.2810



28.7809, 27.8825, 4.9636



18.3828, 27.8825, 75.9670

Square

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



28.7809, 27.8825, 4.9636



14.5439, 27.8825, 24.4423



24.3457, 27.8825, 93.1667



43.6843, 27.8825, 37.1616

Rectangle

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



28.7809, 27.8825, 4.9636



18.0021, 27.8825, 8.5426



24.3457, 27.8825, 93.1667



37.3267, 27.8825, 73.8206

Sweetspot

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



28.7815, 27.8839, 4.9641



69.9747, 73.6109, 53.5802



21.5362, 11.5626, 8.1928



14.7671, 15.5129, 10.5819



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



28.7815, 27.8839, 4.9641



49.4610, 45.7279, 6.2195



30.9445, 41.3728, 7.4537



9.5107, 10.0244, 9.5405



18.9536, 17.6835, 2.4143



0.7203, 0.7277, 0.1025

Inverse Universe

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



11.7151, 8.8764, 46.4428



18.1156, 11.1374, 83.3995



10.7319, 5.1497, 45.7753



8.7405, 9.1582, 11.3865



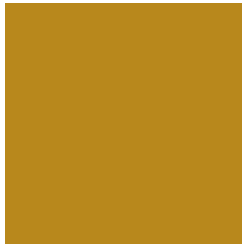
7.0138, 4.4874, 31.7495



0.3039, 0.2714, 1.1381

Previews

White Background



This preview shows how the XYZ color 28.7809, 27.8825, 4.9636 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 28.7809, 27.8825, 4.9636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

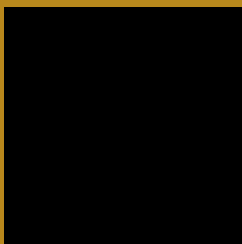
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.7809, 27.8825, 4.9636

Background



This preview shows how black text looks on a background with the XYZ color 28.7809, 27.8825, 4.9636.



This preview shows how white text looks on a background with the XYZ color 28.7809, 27.8825,

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

28.7809, 27.8825, 4.9636

Protanopia

25.2600, 28.0259, 5.3065

Deuteranopia

28.4349, 27.9155, 4.9265



Tritanopia

33.2685, 27.9035, 26.9250

Trichromacy



Original Color

28.7809, 27.8825, 4.9636

Protanomaly

26.4723, 27.9808, 5.1680

Deuteranomaly

28.6719, 28.0377, 4.9376

Tritanomaly

30.8793, 27.5197, 14.9936

Monochromacy



Original Color

28.7809, 27.8825, 4.9636

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

24.6678, 25.7417, 15.2238

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7809, 27.8825, 4.9636 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(184, 136, 28)` looks like.

```
.text, #text, p{  
    color:rgb(184, 136, 28)  
}
```

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(184, 136, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 136, 28) }
```

Border

The CSS property to change the border of an element to XYZ 28.7809, 27.8825, 4.9636 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(184, 136, 28) }
```


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

```
.border{ border-color:rgb(184, 136, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 136, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 136, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 136, 28);  
box-shadow:4px 4px 4px 4px rgb(184, 136,  
28) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7809, 27.8825, 4.9636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 136, 28) }
```

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

```
.background{ background-color: rgb(184,  
136, 28) }
```

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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