

Converting Colors

XYZ(27.6776, 24.1395, 3.9714)

Have a look what the booklet for
XYZ(27.6776, 24.1395, 3.9714)
contains.

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Color

**XYZ(27.8476, 24.3097,
3.9836)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | BD7816 |
| RGB | 189, 120, 22 |
| RGB Percent | 74%, 47%, 9% |
| CMY | 0.2588, 0.5294, 0.9137 |
| CMYK | 0.00, 0.37, 0.88, 0.26 |
| HSL | 35°, 79%, 41% |
| HSV | 35°, 88%, 74% |
| XYZ | 27.8476, 24.3097, 3.9836 |
| YIQ | 129.4590, 72.5820, -15.8500 |

Conversions

Conversions Part 2

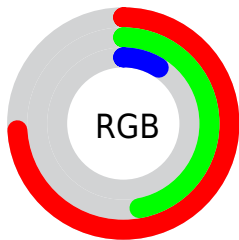
| Format | Color |
|--|---|
| RYB | 140, 189, 22 |
| Decimal | 12417046 |
| CIELab | 56.40, 20.03, 58.43 |
| CIELCh | 56, 61.766, 71.074 |
| Yxy | 24.3097, 0.4960, 0.4330 |
| Android (android.graphics.Color) | 4290607126 (0xFFBD7816) |
| YUV | 129.4590, -52.9773, 52.2175 |
| Hunter-Lab | 49.3049, 14.5340, 29.7231 |

Details

The XYZ color **27.8476, 24.3097, 3.9836** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **13.2573, 11.3268, 49.6314**, and the grayscale version is **21.1908, 22.2944, 24.2786**.

A 20% lighter version of the original color is **55.5520, 50.3791, 14.0040**, and **11.4592, 9.2523, 1.1819** is the 20% darker color. If you saturate the color by 10%, you get **26.8191, 22.4574, 3.0104**, and if you desaturate by 10%, it is **29.0797, 26.3681, 5.6460**.

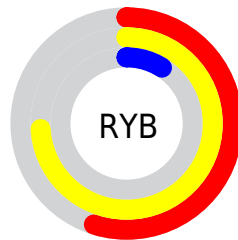
Distribution



Red (74%)

Green (47%)

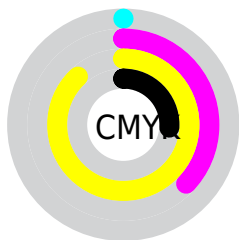
Blue (9%)



Red (55%)

Yellow (74%)

Blue (9%)

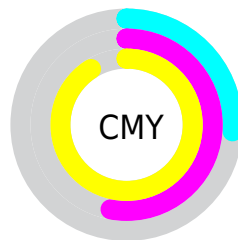


Cyan (0%)

Magenta (37%)

Yellow (88%)

Black (26%)



Cyan (26%)


Magenta (53%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.8476, 24.3097, 3.9836 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 27.8476, 24.3097, 3.9836 by changing the saturation by 10% instead.


 27.8476, 24.3097,
3.9836


 27.8476, 24.3097,
3.9836


283.8313,
274.3825, 148.0429


 18.3507, 15.5635,
1.6164


 55.6514, 50.5351,
13.9719

 11.3033, 9.2158,
0.3024


 74.6890, 68.7831,
22.4301

 6.3400, 4.8822,
0.0000


 97.6374, 90.9672,
33.7556

 3.0955, 2.1783,
0.0000

 124.8622,
117.4718, 48.3671

 1.2045, 0.7081,
0.0000

 156.7286,
148.6812, 66.6830

 0.1099, 0.0000,
0.0000

 193.6021,

 0.0000, 0.0000,

184.9798, 89.1219

0.0000

235.8478,
226.7522, 116.1024

27.8476, 24.3097,
3.9836

27.8476, 24.3097,
3.9836

26.8191, 22.4574,
3.0104

29.0797, 26.3681,
5.6460

26.6612, 22.1689,
2.8738

30.5477, 28.6451,
8.1670

32.2740, 31.1536,
11.6532

34.2774, 33.9036,
16.1952

36.5744, 36.9044,
21.8730

■ 39.1804, 40.1644,
28.7589

■ 42.1092, 43.6919,
36.9191

■ 45.3740, 47.4942,
46.4150

■ 48.9869, 51.5786,
57.3038

Harmonies

Analogous

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



35.0689, 24.3097, 8.1362



27.8476, 24.3097, 3.9836



20.5693, 24.3097, 3.6024

Triad

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



27.8476, 24.3097, 3.9836



12.0871, 24.3097, 34.7563



33.3433, 24.3097, 68.5152

Complementary

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



27.8476, 24.3097, 3.9836



13.2573, 11.3268, 49.6314

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.



25.8423, 24.3097, 86.7887



27.8476, 24.3097, 3.9836



14.2291, 24.3097, 61.5893

Square

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



27.8476, 24.3097, 3.9836



12.4056, 24.3097, 15.6604



18.9351, 24.3097, 83.7510



38.6657, 24.3097, 41.3690

Rectangle

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



27.8476, 24.3097, 3.9836



16.7229, 24.3097, 5.0629



18.9351, 24.3097, 83.7510



30.9353, 24.3097, 76.4032

Sweetspot

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



27.8481, 24.3110, 3.9840



70.6332, 72.4991, 52.7620



23.1869, 12.1583, 11.1553



14.8296, 15.1479, 10.3729



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.



27.8481, 24.3110, 3.9840



47.5083, 39.2203, 5.0663



36.0403, 45.5765, 7.6569



9.9828, 10.4416, 10.0659



18.0154, 15.0695, 1.9592



0.7687, 0.7164, 0.0978

Inverse Universe

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



13.2573, 11.3268, 49.6314



21.1182, 15.9149, 88.1850



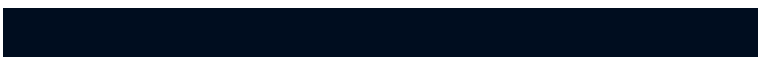
10.1971, 4.6218, 48.4985



9.3316, 9.8555, 12.0827



8.0889, 6.2894, 33.1806



0.3815, 0.3756, 1.3213

Previews

White Background



This preview shows how the XYZ color 27.8476, 24.3097, 3.9836 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 27.8476, 24.3097, 3.9836 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

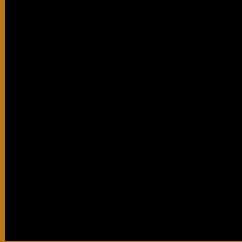
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.8476, 24.3097, 3.9836

Background



This preview shows how black text looks on a background with the XYZ color 27.8476, 24.3097, 3.9836.



This preview shows how white text looks on a background with the XYZ color 27.8476, 24.3097,

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

27.8476, 24.3097, 3.9836

Protanopia

22.1275, 24.4552, 4.5314

Deuteranopia

24.9428, 24.5029, 3.8304



Tritanopia

31.4325, 24.4137, 20.8249

Trichromacy



Original Color

27.8476, 24.3097, 3.9836

Protanomaly

23.8840, 24.1424, 4.3208

Deuteranomaly

25.9221, 24.4272, 3.8790

Tritanomaly

29.4692, 24.1080, 11.4876

Monochromacy



Original Color

27.8476, 24.3097, 3.9836

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

22.0688, 22.2392, 12.8023

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8476, 24.3097, 3.9836 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(189, 120, 22)` looks like.

```
.text, #text, p{  
    color:rgb(189, 120, 22)  
}
```

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(189, 120, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 120, 22) }
```

Border

The CSS property to change the border of an element to XYZ 27.8476, 24.3097, 3.9836 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(189, 120, 22) }
```


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

```
.border{ border-color:rgb(189, 120, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 120, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 120, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 120, 22);  
box-shadow:4px 4px 4px 4px rgb(189, 120,  
22) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8476, 24.3097, 3.9836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 120, 22) }
```

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

```
.background{ background-color: rgb(189,  
120, 22) }
```

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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