

Converting Colors

XYZ(27.7694, 24.4955, 3.2645)

Have a look what the booklet for
XYZ(27.7694, 24.4955, 3.2645)
contains.

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Color

**XYZ(27.8236, 24.4936,
3.2613)**

Conversions

Conversions Part 1

Format	Color
Hex	BD7900
RGB	189, 121, 0
RGB Percent	74%, 47%, 0%
CMY	0.2588, 0.5255, 1.0000
CMYK	0.00, 0.36, 1.00, 0.26
HSL	38°, 100%, 37%
HSV	38°, 100%, 74%
XYZ	27.8236, 24.4936, 3.2613
YIQ	127.5380, 79.3690, -23.2150

Conversions

Conversions Part 2

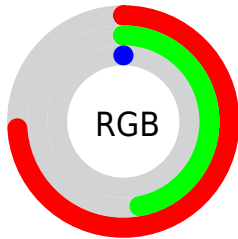
Format	Color
RYB	106, 189, 0
Decimal	12417280
CIELab	56.58, 19.15, 63.02
CIELCh	57, 65.870, 73.095
Yxy	24.4936, 0.5006, 0.4407
Android (android.graphics.Color)	4290607360 (0xFFBD7900)
YUV	127.5380, -62.8762, 53.9022
Hunter-Lab	49.4910, 13.7425, 30.7367

Details

The XYZ color **27.8236, 24.4936, 3.2613** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **11.2526, 7.8086, 49.0577**, and the grayscale version is **20.5502, 21.6204, 23.5446**.

A 20% lighter version of the original color is **55.3810, 50.6164, 12.1612**, and **11.5233, 9.3806, 1.2033** is the 20% darker color. If you saturate the color by 10%, you get **27.8237, 24.4941, 3.2614**, and if you desaturate by 10%, it is **28.7966, 26.2530, 4.1616**.

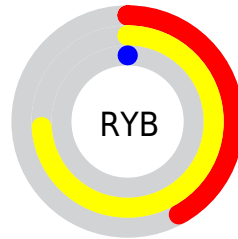
Distribution



Red (74%)

Green (47%)

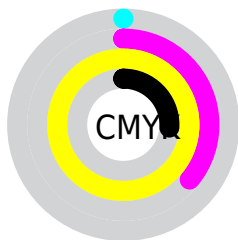
Blue (0%)



Red (42%)

Yellow (74%)

Blue (0%)

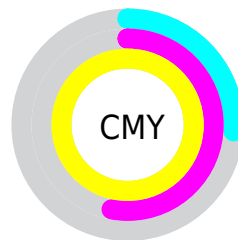


Cyan (0%)

Magenta (36%)

Yellow (100%)

Black (26%)



Cyan (26%)


Magenta (53%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.8236, 24.4936, 3.2613 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 27.8236, 24.4936, 3.2613 by changing the saturation by 10% instead.


 27.8236, 24.4936,
3.2613


 27.8236, 24.4936,
3.2613


283.7184,
275.3065, 139.6221


 18.3325, 15.7002,
1.2296


 55.6133, 50.8345,
12.2667


 11.2901, 9.3122,
0.0030


 74.6426, 69.1508,
20.0774


 6.3310, 4.9454,
0.0000


 97.5821, 91.4101,
30.6515

 3.0900, 2.2153,
0.0000

 124.7970,
117.9969, 44.4076

 1.2015, 0.7283,
0.0000

 156.6527,
149.2955, 61.7641

 0.1076, 0.0000,
0.0000

 193.5146,

 0.0000, 0.0000,

185.6904, 83.1397

0.0000

■ 235.7481,
227.5660, 108.9528

■ 27.8236, 24.4936,
3.2613

■ 27.8236, 24.4936,
3.2613

■ 27.8237, 24.4941,
3.2614

■ 28.7966, 26.2530,
4.1616

■ 29.9418, 28.1753,
5.6779

■ 31.3020, 30.2805,
8.0278

■ 32.8989, 32.5790,
11.3208

■ 34.7513, 35.0800,
15.6492

■ 36.8755, 37.7917,
21.0946

■ 39.2863, 40.7216,
27.7300

■ 41.9974, 43.8769,
35.6225

■ 45.0214, 47.2640,
44.8338

Harmonies

Analogous

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



35.7542, 24.4936, 7.0031



27.8236, 24.4936, 3.2613



20.1050, 24.4936, 3.0860

Triad

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



27.8236, 24.4936, 3.2613



11.6939, 24.4936, 37.3950



34.8421, 24.4936, 70.7582

Complementary

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



27.8236, 24.4936, 3.2613



11.2526, 7.8086, 49.0577

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.



26.7738, 24.4936, 92.3148



27.8236, 24.4936, 3.2613



14.1086, 24.4936, 67.0321

Square

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



27.8236, 24.4936, 3.2613



11.8545, 24.4936, 16.2019



19.2609, 24.4936, 90.6668



40.3754, 24.4936, 40.8857

Rectangle

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



27.8236, 24.4936, 3.2613



16.1385, 24.4936, 4.6588



19.2609, 24.4936, 90.6668



32.2687, 24.4936, 79.7985

Sweetspot

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



27.8241, 24.4949, 3.2618



70.1412, 72.6698, 49.0381



22.0698, 11.2524, 6.6888



14.6806, 15.1429, 9.4202



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.



27.8241, 24.4949, 3.2618



49.5974, 43.3985, 5.7627



33.4661, 44.2661, 6.7806



10.0257, 10.5273, 10.0802



18.7953, 16.6294, 2.2192



0.7961, 0.7711, 0.1069

Inverse Universe

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



11.2526, 7.8086, 49.0577



19.9465, 13.5716, 87.7945



9.5913, 3.8836, 48.3876



9.2899, 9.7721, 12.0688



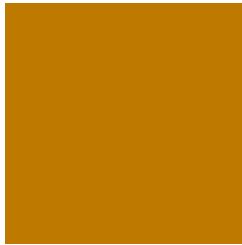
7.6374, 5.3865, 33.0301



0.3619, 0.3364, 1.3147

Previews

White Background



This preview shows how the XYZ color 27.8236, 24.4936, 3.2613 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 27.8236, 24.4936, 3.2613 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 27.8236, 24.4936, 3.2613

Background



This preview shows how black text looks on a background with the XYZ color 27.8236, 24.4936, 3.2613.



This preview shows how white text looks on a background with the XYZ color 27.8236, 24.4936,

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

27.8236, 24.4936, 3.2613

Protanopia

22.3447, 24.7904, 3.9881

Deuteranopia

24.8635, 24.4712, 3.4130



Tritanopia

31.4935, 24.4382, 21.1463

Trichromacy



Original Color

27.8236, 24.4936, 3.2613

Protanomaly

24.0965, 24.4656, 3.6820

Deuteranomaly

25.8210, 24.3867, 3.3462

Tritanomaly

29.2085, 24.0038, 10.1149

Monochromacy



Original Color

27.8236, 24.4936, 3.2613

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

21.3965, 21.7453, 10.8541

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8236, 24.4936, 3.2613 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, 121, 0)` looks like.

```
.text, #text, p{  
    color:rgb(189, 121, 0)  
}
```

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, 121, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 121, 0) }
```

Border

The CSS property to change the border of an element to XYZ 27.8236, 24.4936, 3.2613 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, 121, 0) }
```


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

```
.border{ border-color:rgb(189, 121, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 121, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 121, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 121, 0);  
box-shadow:4px 4px 4px 4px rgb(189, 121,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8236, 24.4936, 3.2613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 121, 0) }
```

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

```
.background{ background-color: rgb(189,  
121, 0) }
```

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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