

Converting Colors

XYZ(28.3467, 24.7047, 3.2745)

Have a look what the booklet for
XYZ(28.3467, 24.7047, 3.2745)
contains.

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Color

**XYZ(28.3232, 24.7511,
3.2846)**

Conversions

Conversions Part 1

Format	Color
Hex	BF7900
RGB	191, 121, 0
RGB Percent	75%, 47%, 0%
CMY	0.2510, 0.5255, 1.0000
CMYK	0.00, 0.37, 1.00, 0.25
HSL	38°, 100%, 37%
HSV	38°, 100%, 75%
XYZ	28.3232, 24.7511, 3.2846
YIQ	128.1360, 80.5610, -22.7910

Conversions

Conversions Part 2

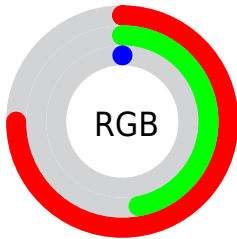
Format	Color
R _Y B	110, 191, 0
Decimal	12548352
CIE Lab	56.83, 20.04, 63.31
CIE LCh	57, 66.408, 72.439
Yxy	24.7511, 0.5026, 0.4392
Android (android.graphics.Color)	4290738432 (0xFFBF7900)
YUV	128.1360, -63.1710, 55.1317
Hunter-Lab	49.7505, 14.5576, 30.9109

Details

The XYZ color **28.3232, 24.7511, 3.2846** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **11.5941, 8.1419, 50.2502**, and the grayscale version is **20.7589, 21.8400, 23.7838**.

A 20% lighter version of the original color is **56.4950, 51.1871, 12.3713**, and **11.8331, 9.5403, 1.2178** is the 20% darker color. If you saturate the color by 10%, you get **28.3234, 24.7518, 3.2848**, and if you desaturate by 10%, it is **29.3240, 26.5633, 4.2026**.

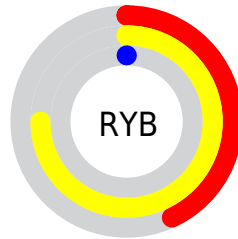
Distribution



Red (75%)

Green (47%)

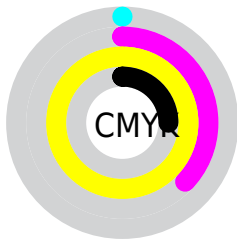
Blue (0%)



Red (43%)

Yellow (75%)

Blue (0%)

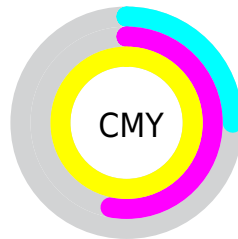


Cyan (0%)

Magenta (37%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (53%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.3232, 24.7511, 3.2846 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 28.3232, 24.7511, 3.2846 by changing the saturation by 10% instead.


 28.3232, 24.7511,
3.2846

 28.3232, 24.7511,
3.2846


286.0602,
276.5961, 139.9068


 18.7111, 15.8917,
1.2417


 56.4051, 51.2531,
12.3230

 11.5645, 9.4476,
0.0133


 75.6056, 69.6646,
20.1556


 6.5180, 5.0342,
0.0000


 98.7330, 92.0289,
30.7552

 3.2061, 2.2674,
0.0000

 126.1526,
118.7303, 44.5403

 1.2637, 0.7564,
0.0000

 158.2297,
150.1534, 61.9294


 0.1558, 0.0000,
0.0000


 195.3298,


 0.0000, 0.0000,


186.6824, 83.3412


0.0000


 237.8182,
228.7019, 109.1941


 28.3232, 24.7511,
3.2846


 28.3232, 24.7511,
3.2846

 28.3234, 24.7518,
3.2848

 29.3240, 26.5633,
4.2026

 30.5035, 28.5468,
5.7536

 31.9055, 30.7221,
8.1594

 33.5524, 33.0999,
11.5323

 35.4634, 35.6899,
15.9672

■ 37.6553, 38.5005,
21.5478

■ 40.1435, 41.5398,
28.3491

■ 42.9420, 44.8150,
36.4399

■ 46.0639, 48.3330,
45.8837

Harmonies

Analogous

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



36.3524, 24.7511, 7.1690



28.3232, 24.7511, 3.2846



20.4536, 24.7511, 3.0475

Triad

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



28.3232, 24.7511, 3.2846



11.7505, 24.7511, 37.2487



35.1061, 24.7511, 72.4207

Complementary

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



28.3232, 24.7511, 3.2846



11.5941, 8.1419, 50.2502

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.



26.8898, 24.7511, 93.9765



28.3232, 24.7511, 3.2846



14.1379, 24.7511, 67.3235

Square

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



28.3232, 24.7511, 3.2846



11.9692, 24.7511, 15.9983



19.3021, 24.7511, 91.7210



40.8224, 24.7511, 42.0179

Rectangle

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



28.3232, 24.7511, 3.2846



16.3913, 24.7511, 4.5743



19.3021, 24.7511, 91.7210



32.4764, 24.7511, 81.5360

Sweetspot

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



28.3237, 24.7524, 3.2851



71.6723, 74.1289, 50.1395



22.5924, 11.5191, 6.8332



15.3087, 15.7585, 9.8181



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



28.3237, 24.7524, 3.2851



50.4881, 43.8514, 5.8032



34.2589, 45.3179, 6.9418



10.0203, 10.5165, 10.0784



18.6928, 16.4244, 2.1850



0.7926, 0.7640, 0.1057

Inverse Universe

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



11.5941, 8.1419, 50.2502



20.5536, 14.1590, 89.9288



9.8166, 3.9744, 49.5395



9.2951, 9.7826, 12.0705



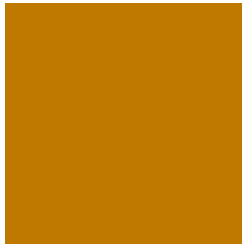
7.6902, 5.4921, 33.0477



0.3642, 0.3411, 1.3155

Previews

White Background



This preview shows how the XYZ color 28.3232, 24.7511, 3.2846 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 28.3232, 24.7511, 3.2846 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 28.3232, 24.7511, 3.2846

Background



This preview shows how black text looks on a background with the XYZ color 28.3232, 24.7511, 3.2846.



This preview shows how white text looks on a background with the XYZ color 28.3232, 24.7511,

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

28.3232, 24.7511, 3.2846

Protanopia

22.3514, 24.7931, 4.0230

Deuteranopia

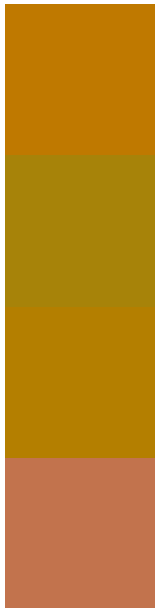
25.2162, 24.8495, 3.4674



Tritanopia

32.0103, 24.7046, 21.1705

Trichromacy



Original Color

28.3232, 24.7511, 3.2846

Protanomaly

24.1020, 24.4678, 3.7109

Deuteranomaly

26.4118, 24.8820, 3.4107

Tritanomaly

29.7184, 24.2666, 10.1388

Monochromacy



Original Color

28.3232, 24.7511, 3.2846

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

21.5813, 21.8406, 10.8628

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3232, 24.7511, 3.2846 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(191, 121, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 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(191, 121, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 121, 0) }
```

Border

The CSS property to change the border of an element to XYZ 28.3232, 24.7511, 3.2846 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(191, 121, 0) }
```


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

```
.border{ border-color:rgb(191, 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(191, 121, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 121, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 121, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 121,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3232, 24.7511, 3.2846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 121, 0) }
```

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

```
.background{ background-color: rgb(191,  
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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