

Converting Colors

XYZ(32.2023, 28.2326, 3.0805)

Have a look what the booklet for
XYZ(32.2023, 28.2326, 3.0805)
contains.

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Color

**XYZ(32.4789, 28.3970,
3.7694)**

Conversions

Conversions Part 1

Format	Color
Hex	CB8100
RGB	203, 129, 0
RGB Percent	80%, 51%, 0%
CMY	0.2039, 0.4941, 1.0000
CMYK	0.00, 0.36, 1.00, 0.20
HSL	38°, 100%, 40%
HSV	38°, 100%, 80%
XYZ	32.4789, 28.3970, 3.7694
YIQ	136.4200, 85.5130, -24.4310

Conversions

Conversions Part 2

Format	Color
R_{YB}	116, 203, 0
Decimal	13336832
CIE Lab	60.25, 20.92, 66.28
CIE LCh	60, 69.498, 72.484
Yxy	28.3970, 0.5024, 0.4393
Android (android.graphics.Color)	4291526912 (0xFFCB8100)
YUV	136.4200, -67.2551, 58.3907
Hunter-Lab	53.2888, 15.5381, 33.1083

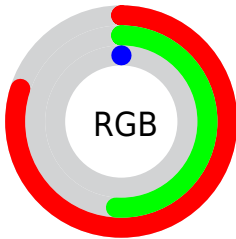
Details

The XYZ color **32.4789, 28.3970, 3.7694** is a dark color, and the websafe version is hex **CC9900**.

The color can be described as dark washed orange. A complement of this color would be **13.2287, 9.2101, 57.5801**, and the grayscale version is **23.7830, 25.0216, 27.2485**.

A 20% lighter version of the original color is **59.0734, 55.1581, 13.3274**, and **14.1964, 11.5770, 1.4863** is the 20% darker color. If you saturate the color by 10%, you get **32.4789, 28.3974, 3.7694**, and if you desaturate by 10%, it is **33.6189, 30.4708, 4.7860**.

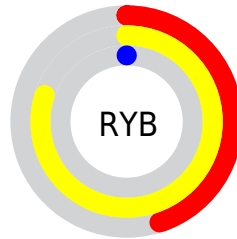
Distribution



Red (80%)

Green (51%)

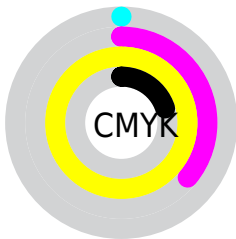
Blue (0%)



Red (45%)

Yellow (80%)

Blue (0%)

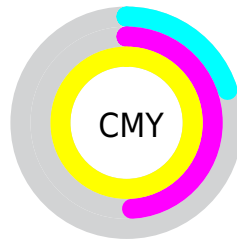


Cyan (0%)

Magenta (36%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (49%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.4789, 28.3970, 3.7694 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 32.4789, 28.3970, 3.7694 by changing the saturation by 10% instead.


 32.4789, 28.3970,
3.7694

 32.4789, 28.3970,
3.7694


305.0017,
294.3591, 145.6267


 21.8849, 18.6251,
1.4997


 62.9212, 57.1176,
13.4743


 13.8885, 11.3997,
0.2177


 83.5003, 76.8352,
21.7467

 8.1243, 6.3364,
0.0000


 108.1383,
100.6368, 32.8570

 4.2271, 3.0507,
0.0000

 137.2008,
128.9069, 47.2237

 1.8314, 1.1582,
0.0000

 171.0530,
162.0297, 65.2656

 0.5365, 0.0272,
0.0000

 210.0603,

 0.0000, 0.0000,

200.3898, 87.4010

0.0000

254.5881,
244.3714, 114.0485

32.4789, 28.3970,
3.7694

32.4789, 28.3970,
3.7694

32.4789, 28.3974,
3.7694

33.6189, 30.4708,
4.7860

34.9657, 32.7414,
6.5393

36.5680, 35.2317,
9.2754

38.4519, 37.9543,
13.1254

40.6396, 40.9202,
18.2001

■ 43.1508, 44.1394,
24.5965

■ 46.0034, 47.6209,
32.4020

■ 49.2135, 51.3734,
41.6964

■ 52.7963, 55.4046,
52.5536

Harmonies

Analogous

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



41.6896, 28.3970, 8.2178



32.4789, 28.3970, 3.7694



23.4557, 28.3970, 3.5020

Triad

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



32.4789, 28.3970, 3.7694



13.4867, 28.3970, 42.7776



40.2853, 28.3970, 83.0153

Complementary

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



32.4789, 28.3970, 3.7694



13.2287, 9.2101, 57.5801

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.



30.8637, 28.3970, 107.7640



32.4789, 28.3970, 3.7694



16.2299, 28.3970, 77.2723

Square

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



32.4789, 28.3970, 3.7694



13.7332, 28.3970, 18.3842



22.1581, 28.3970, 105.2228



46.8336, 28.3970, 48.1515

Rectangle

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



32.4789, 28.3970, 3.7694



18.7993, 28.3970, 5.2587



22.1581, 28.3970, 105.2228



37.2705, 28.3970, 93.4747

Sweetspot

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



32.4795, 28.3985, 3.7699



76.8265, 79.4950, 53.6781



25.8795, 13.1970, 7.7399



15.9941, 16.4720, 10.2395



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.



32.4795, 28.3985, 3.7699



54.1686, 47.1171, 6.2395



39.2455, 51.9341, 7.9562



11.7966, 12.3822, 11.8477



20.7588, 18.2506, 2.4286



1.1416, 1.0828, 0.1488

Inverse Universe

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



13.2287, 9.2101, 57.5801



21.9602, 15.0405, 96.3534



11.2336, 4.5461, 56.7850



10.9310, 11.5024, 14.2144



8.4979, 6.0199, 36.6703



0.5102, 0.4541, 1.9157

Previews

White Background



This preview shows how the XYZ color 32.4789, 28.3970, 3.7694 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 32.4789, 28.3970, 3.7694 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 32.4789, 28.3970, 3.7694

Background



This preview shows how black text looks on a background with the XYZ color 32.4789, 28.3970, 3.7694.



This preview shows how white text looks on a background with the XYZ color 32.4789, 28.3970,

3.7694.

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

32.4789, 28.3970, 3.7694

Protanopia

25.6680, 28.4820, 4.5602

Deuteranopia

28.8556, 28.3673, 3.9546



Tritanopia

36.6913, 28.4278, 24.3222

Trichromacy



Original Color

32.4789, 28.3970, 3.7694

Protanomaly

27.7875, 28.2409, 4.2449

Deuteranomaly

30.1498, 28.4043, 3.8935

Tritanomaly

34.0595, 27.8969, 11.5722

Monochromacy



Original Color

32.4789, 28.3970, 3.7694

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

24.6050, 24.9368, 12.5333

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4789, 28.3970, 3.7694 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(203, 129, 0)` looks like.

```
.text, #text, p{  
    color:rgb(203, 129, 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(203, 129, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 129, 0) }
```

Border

The CSS property to change the border of an element to XYZ 32.4789, 28.3970, 3.7694 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(203, 129, 0) }
```


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

```
.border{ border-color:rgb(203, 129, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 129, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 129, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 129, 0);  
box-shadow:4px 4px 4px 4px rgb(203, 129,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 32.4789, 28.3970, 3.7694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 129, 0) }
```

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

```
.background{ background-color: rgb(203,  
129, 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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