

Converting Colors

XYZ(32.7730, 32.1989, 12.8752)

Have a look what the booklet for
XYZ(32.7730, 32.1989, 12.8752)
contains.

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Color

**XYZ(32.7730, 32.1989,
12.8752)**

Conversions

Conversions Part 1

Format	Color
Hex	BC9354
RGB	188, 147, 84
RGB Percent	74%, 58%, 33%
CMY	0.2627, 0.4235, 0.6706
CMYK	0.00, 0.22, 0.55, 0.26
HSL	36°, 44%, 53%
HSV	36°, 55%, 74%
XYZ	32.7730, 32.1989, 12.8752
YIQ	152.0770, 44.6590, -10.9010

Conversions

Conversions Part 2

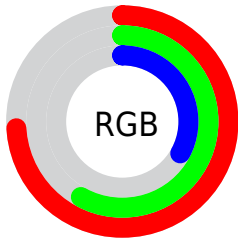
Format	Color
RYB	152, 188, 84
Decimal	12358484
CIELab	63.51, 7.91, 38.91
CIElCh	64, 39.711, 78.508
Yxy	32.1989, 0.4210, 0.4136
Android (android.graphics.Color)	4290548564 (0xFFBC9354)
YUV	152.0770, -33.5620, 31.5045
Hunter-Lab	56.7441, 3.7920, 26.2680

Details

The XYZ color **32.7730, 32.1989, 12.8752** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **20.0666, 20.1821, 50.4147**, and the grayscale version is **30.0058, 31.5685, 34.3781**.

A 20% lighter version of the original color is **63.2659, 63.1154, 31.7697**, and **14.1089, 13.5823, 3.5471** is the 20% darker color. If you saturate the color by 10%, you get **31.0179, 29.7132, 9.1321**, and if you desaturate by 10%, it is **34.8015, 34.9153, 17.6850**.

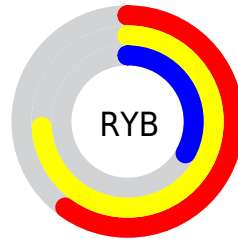
Distribution



Red (74%)

Green (58%)

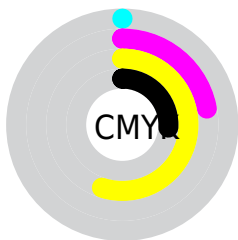
Blue (33%)



Red (60%)

Yellow (74%)

Blue (33%)

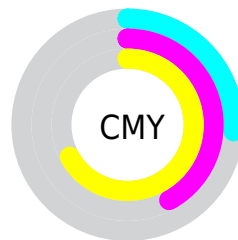


Cyan (0%)

Magenta (22%)

Yellow (55%)

Black (26%)



Cyan (26%)

Magenta (42%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.7730, 32.1989, 12.8752 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 32.7730, 32.1989, 12.8752 by changing the saturation by 10% instead.

■ 32.7730, 32.1989,
12.8752

■ 32.7730, 32.1989,
12.8752

306.3087,
312.0243, 221.2960

■ 22.1110, 21.5135,
7.2129

■ 63.3780, 63.1228,
31.7673

■ 14.0555, 13.4998,
3.5152

■ 84.0518, 84.1300,
45.8342

■ 8.2413, 7.7736,
1.3633

■ 108.7934,
109.3466, 63.5398

■ 4.3028, 3.9504,
0.1129

■ 137.9685,
139.1570, 85.3025

■ 1.8748, 1.6459,
0.0000

■ 171.9421,
173.9456, 111.5409

■ 0.5621, 0.3882,
0.0000

211.0798,

■ 0.0000, 0.0000,

214.0967, 142.6736

0.0000

255.7469,
259.9948, 179.1191

■ 32.7730, 32.1989,
12.8752

■ 32.7730, 32.1989,
12.8752

■ 31.0179, 29.7132,
9.1321

■ 34.8015, 34.9153,
17.6850

■ 29.5163, 27.4441,
6.3681

■ 37.1170, 37.8662,
23.6359

■ 28.2487, 25.3831,
4.4844

■ 39.7344, 41.0609,
30.7979

■ 27.1908, 23.5178,
3.3590

■ 42.6672, 44.5069,
39.2346

■ 26.7442, 22.7017,
2.9723

■ 45.9277, 48.2111,
49.0054

■ 49.5276, 52.1801,
60.1656

■ 53.4780, 56.4203,
72.7677

■ 57.7894, 60.9377,
86.8611

■ 62.4718, 65.7382,
102.4931

Harmonies

Analogous

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



38.2074, 32.1989, 16.8306



32.7730, 32.1989, 12.8752



27.3496, 32.1989, 13.3765

Triad

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



32.7730, 32.1989, 12.8752



21.5835, 32.1989, 45.6477



39.2848, 32.1989, 59.3673

Complementary

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



32.7730, 32.1989, 12.8752



20.0666, 20.1821, 50.4147

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.



34.1070, 32.1989, 72.6160



32.7730, 32.1989, 12.8752



24.0829, 32.1989, 63.1923

Square

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



32.7730, 32.1989, 12.8752



21.3176, 32.1989, 29.3324



28.5330, 32.1989, 74.1954



42.2583, 32.1989, 41.4866

Rectangle

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



32.7730, 32.1989, 12.8752



24.4465, 32.1989, 16.2130



28.5330, 32.1989, 74.1954



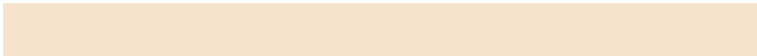
37.7175, 32.1989, 64.7149

Sweetspot

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



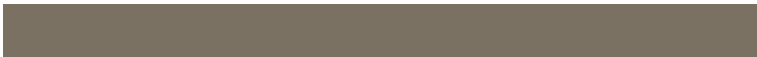
32.7738, 32.2005, 12.8758



76.2402, 79.4018, 67.9227



27.6496, 18.5283, 21.7230



16.1609, 16.8018, 13.9268



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.



32.7738, 32.2005, 12.8758



55.7034, 53.0979, 15.5437



37.8519, 46.0241, 15.2764



9.9980, 10.4720, 10.0710



18.2830, 15.6047, 2.0484



0.7782, 0.7354, 0.1009

Inverse Universe

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



20.0666, 20.1821, 50.4147



30.4600, 29.2725, 90.2710



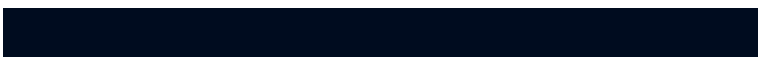
16.9049, 12.3727, 49.0740



9.3167, 9.8258, 12.0777



7.9203, 5.9523, 33.1244



0.3743, 0.3613, 1.3189

Previews

White Background



This preview shows how the XYZ color 32.7730, 32.1989, 12.8752 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 32.7730, 32.1989, 12.8752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

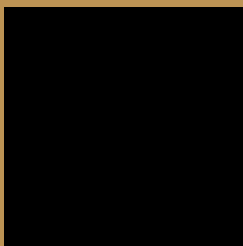
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.7730, 32.1989, 12.8752

Background



This preview shows how black text looks on a background with the XYZ color 32.7730, 32.1989, 12.8752.



This preview shows how white text looks on a background with the XYZ color 32.7730, 32.1989,

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

32.7730, 32.1989, 12.8752

Protanopia

29.5975, 32.2181, 13.4629

Deuteranopia

32.7730, 32.1989, 12.8752



Tritanopia

36.9858, 32.1366, 33.1078

Trichromacy



Original Color

32.7730, 32.1989, 12.8752

Protanomaly

30.6108, 32.0192, 13.1613

Deuteranomaly

32.7730, 32.1989, 12.8752

Tritanomaly

35.1771, 32.0588, 24.0726

Monochromacy



Original Color

32.7730, 32.1989, 12.8752

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.2542, 31.3443, 24.5342

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7730, 32.1989, 12.8752 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(188, 147, 84)` looks like.

```
.text, #text, p{  
    color:rgb(188, 147, 84)  
}
```

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(188, 147, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 147, 84) }
```

Border

The CSS property to change the border of an element to XYZ 32.7730, 32.1989, 12.8752 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(188, 147, 84) }
```


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

```
.border{ border-color:rgb(188, 147, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 147, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 147, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 147, 84);  
box-shadow:4px 4px 4px 4px rgb(188, 147,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7730, 32.1989, 12.8752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 147, 84) }
```

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

```
.background{ background-color: rgb(188,  
147, 84) }
```

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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