

Converting Colors

XYZ(31.8674, 32.4311, 0.3880)

Have a look what the booklet for
XYZ(31.8674, 32.4311, 0.3880)
contains.

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Color

**XYZ(32.7398, 32.8323,
4.6117)**

Conversions

Conversions Part 1

Format	Color
Hex	C19500
RGB	193, 149, 0
RGB Percent	76%, 58%, 0%
CMY	0.2431, 0.4157, 1.0000
CMYK	0.00, 0.23, 1.00, 0.24
HSL	46°, 100%, 38%
HSV	46°, 100%, 76%
XYZ	32.7398, 32.8323, 4.6117
YIQ	145.1700, 74.0530, -37.0110

Conversions

Conversions Part 2

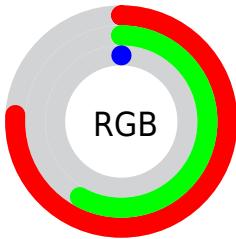
Format	Color
RYB	57, 193, 0
Decimal	12686592
CIELab	64.02, 5.56, 68.26
CIElCh	64, 68.484, 85.343
Yxy	32.8323, 0.4665, 0.4678
Android (android.graphics.Color)	4290876672 (0xFFC19500)
YUV	145.1700, -71.5688, 41.9469
Hunter-Lab	57.2995, 1.7173, 35.3377

Details

The XYZ color **32.7398, 32.8323, 4.6117** 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 **10.5267, 5.6522, 50.9880**, and the grayscale version is **27.2452, 28.6641, 31.2152**.

A 20% lighter version of the original color is **63.4316, 64.2637, 15.3643**, and **14.2934, 13.9920, 1.9474** is the 20% darker color. If you saturate the color by 10%, you get **32.7400, 32.8330, 4.6118**, and if you desaturate by 10%, it is **33.5701, 34.3007, 5.4816**.

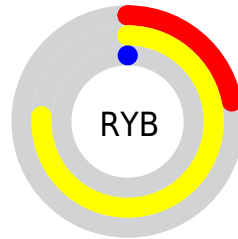
Distribution



Red (76%)

Green (58%)

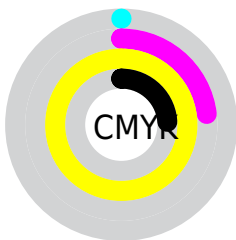
Blue (0%)



Red (22%)

Yellow (76%)

Blue (0%)

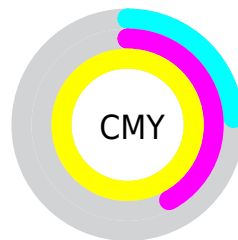


Cyan (0%)

Magenta (23%)

Yellow (100%)

Black (24%)



Cyan (24%)


Magenta (42%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.7398, 32.8323, 4.6117 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 32.7398, 32.8323, 4.6117 by changing the saturation by 10% instead.


 32.7398, 32.8323,
4.6117

 32.7398, 32.8323,
4.6117


306.1614,
314.8934, 154.7994

 22.0855, 21.9980,
1.9666


 63.3265, 64.1136,
15.3976

 14.0367, 13.8554,
0.5346


 83.9895, 85.3294,
24.3755


 8.2280, 8.0202,
0.0000


 108.7196,
110.7745, 36.3013

 4.2942, 4.1079,
0.0000

 137.8819,
140.8334, 51.5937

 1.8699, 1.7341,
0.0000

 171.8419,
175.8902, 70.6712

 0.5593, 0.4456,
0.0000

 210.9649,

 0.0000, 0.0000,

216.3296, 93.9523

0.0000

255.6163,
262.5359, 121.8555

32.7398, 32.8323,
4.6117

32.7398, 32.8323,
4.6117

32.7400, 32.8330,
4.6118

33.5701, 34.3007,
5.4816

34.5456, 35.8684,
6.9885

35.7101, 37.5547,
9.3580

37.0856, 39.3688,
12.7049

38.6908, 41.3186,
17.1265

■ 40.5423, 43.4113,
22.7082

■ 42.6549, 45.6530,
29.5269

■ 45.0421, 48.0496,
37.6528

■ 47.7164, 50.6067,
47.1506

Harmonies

Analogous

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



43.0144, 32.8323, 7.4062



32.7398, 32.8323, 4.6117



23.9072, 32.8323, 5.9936

Triad

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



32.7398, 32.8323, 4.6117



17.2416, 32.8323, 63.7176



49.1283, 32.8323, 75.3689

Complementary

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



32.7398, 32.8323, 4.6117



10.5267, 5.6522, 50.9880

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.



39.8573, 32.8323, 108.6671



32.7398, 32.8323, 4.6117



21.7846, 32.8323, 99.8471

Square

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



32.7398, 32.8323, 4.6117



16.1044, 32.8323, 31.5984



29.7211, 32.8323, 119.3823



53.6399, 32.8323, 40.2476

Rectangle

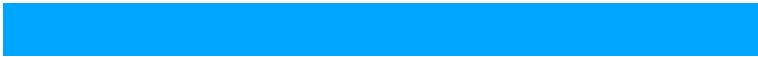
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



32.7398, 32.8323, 4.6117



19.7639, 32.8323, 9.8687



29.7211, 32.8323, 119.3823



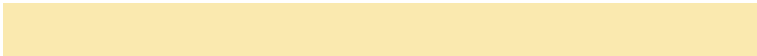
46.3828, 32.8323, 87.7353

Sweetspot

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



32.7405, 32.8339, 4.6123



76.2045, 81.5679, 52.2492



22.4668, 11.5275, 3.5279



15.9930, 17.1271, 10.0462



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.



32.7405, 32.8339, 4.6123



58.4433, 58.4150, 8.1949



30.1459, 43.8496, 6.8753



10.7124, 11.3563, 10.6893



21.8386, 21.9629, 3.0882



0.9925, 1.0467, 0.1497

Inverse Universe

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



10.5267, 5.6522, 50.9880



18.7012, 9.8190, 91.2699



11.0151, 4.5667, 50.7528



9.7105, 10.1123, 12.7249



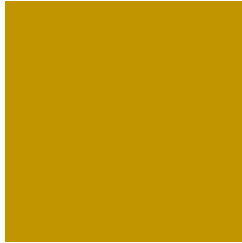
7.0521, 3.8607, 33.9301



0.3586, 0.2747, 1.4840

Previews

White Background



This preview shows how the XYZ color 32.7398, 32.8323, 4.6117 looks on a white background.

Color Contrast Check

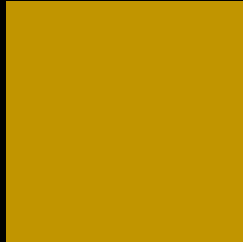
Large Text (above 18pt) WCAG AA × Fail

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 32.7398, 32.8323, 4.6117 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 32.7398, 32.8323, 4.6117

Background



This preview shows how black text looks on a background with the XYZ color 32.7398, 32.8323, 4.6117.



This preview shows how white text looks on a background with the XYZ color 32.7398, 32.8323,

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

32.7398, 32.8323, 4.6117

Protanopia

29.6224, 32.9128, 5.0787

Deuteranopia

33.5090, 32.7575, 4.8152



Tritanopia

38.3327, 32.6262, 32.7109

Trichromacy



Original Color

32.7398, 32.8323, 4.6117

Protanomaly

30.7155, 32.7407, 4.8730

Deuteranomaly

33.3877, 32.9287, 4.7685

Tritanomaly

34.7645, 32.0425, 15.1790

Monochromacy



Original Color

32.7398, 32.8323, 4.6117

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

27.1109, 29.0119, 14.2962

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7398, 32.8323, 4.6117 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(193, 149, 0)` looks like.

```
.text, #text, p{  
    color:rgb(193, 149, 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(193, 149, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 149, 0) }
```

Border

The CSS property to change the border of an element to XYZ 32.7398, 32.8323, 4.6117 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(193, 149, 0) }
```


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

```
.border{ border-color:rgb(193, 149, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 149, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 149, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 149, 0);  
box-shadow:4px 4px 4px 4px rgb(193, 149,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7398, 32.8323, 4.6117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 149, 0) }
```

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

```
.background{ background-color: rgb(193,  
149, 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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