

Converting Colors

XYZ(32.0271, 29.7237, 7.0669)

Have a look what the booklet for
XYZ(32.0271, 29.7237, 7.0669)
contains.

XYZ(32.0271, 29.7237, 7.0669)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(32.0271, 29.7237,
7.0669)**

Conversions

Conversions Part 1

Format	Color
Hex	C38932
RGB	195, 137, 50
RGB Percent	76%, 54%, 20%
CMY	0.2353, 0.4627, 0.8039
CMYK	0.00, 0.30, 0.74, 0.24
HSL	36°, 59%, 48%
HSV	36°, 74%, 76%
XYZ	32.0271, 29.7237, 7.0669
YIQ	144.4240, 62.4950, -14.7610

Conversions

Conversions Part 2

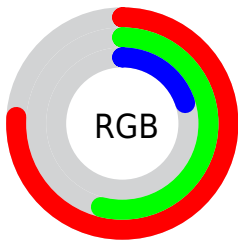
Format	Color
R_{YB}	147, 195, 50
Decimal	12814642
CIE _{Lab}	61.42, 14.25, 53.10
CIE _{LCh}	61, 54.978, 74.980
Yxy	29.7237, 0.4654, 0.4319
Android (android.graphics.Color)	4291004722 (0xFFC38932)
YUV	144.4240, -46.5510, 44.3552
Hunter-Lab	54.5194, 9.4497, 30.4783

Details

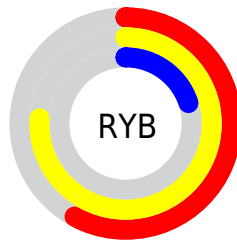
The XYZ color **32.0271, 29.7237, 7.0669** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **16.5281, 15.3429, 53.7199**, and the grayscale version is **26.8457, 28.2437, 30.7574**.

A 20% lighter version of the original color is **62.0517, 59.0462, 20.6970**, and **13.7247, 12.1348, 1.6189** is the 20% darker color. If you saturate the color by 10%, you get **30.6238, 27.4532, 4.9472**, and if you desaturate by 10%, it is **33.6910, 32.2292, 10.1576**.

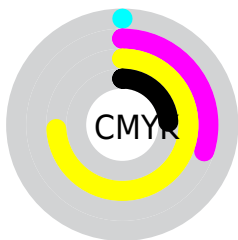
Distribution



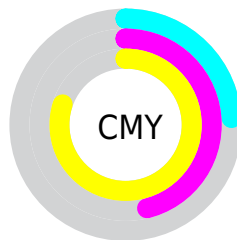
- Red (76%)
- Green (54%)
- Blue (20%)



- Red (58%)
- Yellow (76%)
- Blue (20%)



- Cyan (0%)
- Magenta (30%)
- Yellow (74%)
- Black (24%)





- Cyan (24%)
- Magenta (46%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.0271, 29.7237, 7.0669 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 32.0271, 29.7237, 7.0669 by changing the saturation by 10% instead.


 32.0271, 29.7237,
7.0669

 32.0271, 29.7237,
7.0669


302.9858,
300.6144, 177.8704


 21.5378, 19.6290,
3.4249


 62.2185, 59.2250,
20.6228

 13.6324, 12.1256,
1.3155


 82.6513, 79.4003,
31.3738

 7.9454, 6.8293,
0.0744

 107.1294,
103.7045, 45.3316

 4.1116, 3.3556,
0.0000

 136.0181,
132.5222, 62.9146

 1.7654, 1.3201,
0.0000

 169.6827,
166.2376, 84.5415

 0.4967, 0.1567,
0.0000

 208.4886,

 0.0000, 0.0000,

205.2352, 110.6307

0.0000

252.8012,
249.8993, 141.6008

■ 32.0271, 29.7237,
7.0669

■ 32.0271, 29.7237,
7.0669

■ 30.6238, 27.4532,
4.9472

■ 33.6910, 32.2292,
10.1576

■ 29.4529, 25.4000,
3.6671

■ 35.6354, 34.9765,
14.3248

■ 28.8675, 24.3259,
3.1739

■ 37.8801, 37.9773,
19.6620

■ 40.4422, 41.2409,
26.2519

■ 43.3374, 44.7761,
34.1697

■ 46.5802, 48.5909,
43.4846

■ 50.1843, 52.6930,
54.2610

■ 54.1622, 57.0899,
66.5592

■ 58.5262, 61.7884,
80.4360

Harmonies

Analogous

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



39.3249, 29.7237, 11.5271



32.0271, 29.7237, 7.0669



24.7936, 29.7237, 7.0643

Triad

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



32.0271, 29.7237, 7.0669



16.7950, 29.7237, 43.8409



39.3163, 29.7237, 69.6952

Complementary

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



32.0271, 29.7237, 7.0669



16.5281, 15.3429, 53.7199

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.



32.0168, 29.7237, 88.4081



32.0271, 29.7237, 7.0669



19.4804, 29.7237, 69.6622

Square

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



32.0271, 29.7237, 7.0669



16.7968, 29.7237, 23.0668



24.7849, 29.7237, 88.3939



43.9985, 29.7237, 43.8740

Rectangle

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



32.0271, 29.7237, 7.0669



20.9784, 29.7237, 9.4111



24.7849, 29.7237, 88.3939



37.0369, 29.7237, 77.4345

Sweetspot

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



32.0278, 29.7252, 7.0675



78.7384, 81.5318, 64.3571



26.3532, 14.9663, 15.6877



16.9077, 17.4540, 13.1500



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.



32.0278, 29.7252, 7.0675



53.5384, 46.9093, 7.3168



39.0298, 49.0238, 10.4234



10.5645, 11.0604, 10.6399



18.8465, 15.9787, 2.0909



0.8802, 0.8223, 0.1123

Inverse Universe

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



16.5281, 15.3429, 53.7199



24.5503, 20.1716, 95.0694



13.1382, 7.3285, 52.3516



9.8515, 10.3944, 12.7719



8.2500, 6.2565, 34.3294



0.4239, 0.4052, 1.5057

Previews

White Background



This preview shows how the XYZ color 32.0271, 29.7237, 7.0669 looks on a white background.

Color Contrast Check

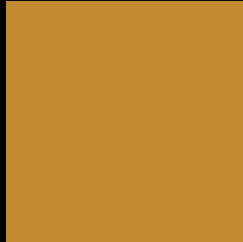
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.0271, 29.7237, 7.0669 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 32.0271, 29.7237, 7.0669

Background



This preview shows how black text looks on a background with the XYZ color 32.0271, 29.7237, 7.0669.



This preview shows how white text looks on a background with the XYZ color 32.0271, 29.7237,

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

32.0271, 29.7237, 7.0669

Protanopia

27.1159, 29.8589, 7.7023

Deuteranopia

30.3290, 29.7106, 7.0419



Tritanopia

36.3940, 29.6908, 27.8575

Trichromacy



Original Color

32.0271, 29.7237, 7.0669

Protanomaly

28.8767, 29.8458, 7.4877

Deuteranomaly

30.9187, 29.7967, 7.0275

Tritanomaly

34.2710, 29.4153, 17.5071

Monochromacy



Original Color

32.0271, 29.7237, 7.0669

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

27.4436, 27.9621, 18.7026

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0271, 29.7237, 7.0669 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(195, 137, 50)` looks like.

```
.text, #text, p{  
    color:rgb(195, 137, 50)  
}
```

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(195, 137, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 137, 50) }
```

Border

The CSS property to change the border of an element to XYZ 32.0271, 29.7237, 7.0669 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(195, 137, 50) }
```


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

```
.border{ border-color:rgb(195, 137, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 137, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 137, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 137, 50);  
box-shadow:4px 4px 4px 4px rgb(195, 137,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0271, 29.7237, 7.0669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 137, 50) }
```

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

```
.background{ background-color: rgb(195,  
137, 50) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor