

Converting Colors

XYZ(32.8712, 29.1930, 9.9738)

Have a look what the booklet for
XYZ(32.8712, 29.1930, 9.9738)
contains.

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Color

**XYZ(32.8459, 29.2487,
10.0453)**

Conversions

Conversions Part 1

Format	Color
Hex	C68548
RGB	198, 133, 72
RGB Percent	78%, 52%, 28%
CMY	0.2235, 0.4784, 0.7176
CMYK	0.00, 0.33, 0.64, 0.22
HSL	29°, 52%, 53%
HSV	29°, 64%, 78%
XYZ	32.8459, 29.2487, 10.0453
YIQ	145.4810, 58.3210, -5.1910

Conversions

Conversions Part 2

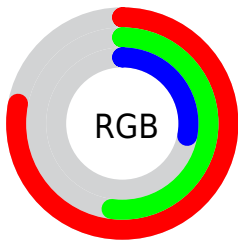
Format	Color
RYB	198, 190, 72
Decimal	13010248
CIELab	61.00, 18.98, 42.39
CIELCh	61, 46.441, 65.884
Yxy	29.2487, 0.4553, 0.4054
Android (android.graphics.Color)	4291200328 (0xFFC68548)
YUV	145.4810, -36.2261, 46.0592
Hunter-Lab	54.0821, 13.7656, 26.8448

Details

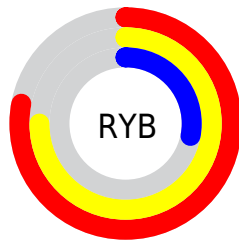
The XYZ color **32.8459, 29.2487, 10.0453** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **21.8106, 23.3451, 56.7822**, and the grayscale version is **27.2366, 28.6551, 31.2054**.

A 20% lighter version of the original color is **62.3118, 57.7830, 26.2814**, and **14.0631, 11.8238, 2.3516** is the 20% darker color. If you saturate the color by 10%, you get **30.9701, 26.3698, 6.7303**, and if you desaturate by 10%, it is **35.0670, 32.4857, 14.5020**.

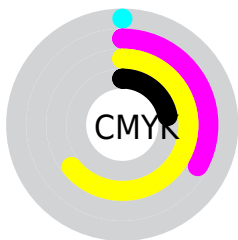
Distribution



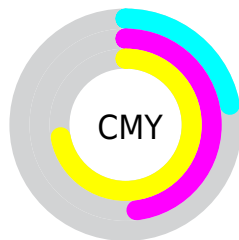
- Red (78%)
- Green (52%)
- Blue (28%)



- Red (78%)
- Yellow (75%)
- Blue (28%)



- Cyan (0%)
- Magenta (33%)
- Yellow (64%)
- Black (22%)





- Cyan (22%)
- Magenta (48%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.8459, 29.2487, 10.0453 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 32.8459, 29.2487, 10.0453 by changing the saturation by 10% instead.


 32.8459, 29.2487,
10.0453


 32.8459, 29.2487,
10.0453


306.6321,
298.3866, 201.4916

 22.1671, 19.2690,
5.3230


 63.4912, 58.4720,
26.4898

 14.0970, 11.8648,
2.3760


 84.1883, 78.4844,
39.0491


 8.2703, 6.6517,
0.7733


 108.9556,
102.6099, 55.0578

 4.3217, 3.2453,
0.0000

 138.1585,
131.2328, 74.9345

 1.8857, 1.2611,
0.0000

 172.1622,
164.7375, 99.0977

 0.5685, 0.1108,
0.0000

211.3321,

 0.0000, 0.0000,

203.5084, 127.9659

0.0000

256.0336,
247.9300, 161.9577

■ 32.8459, 29.2487,
10.0453

■ 32.8459, 29.2487,
10.0453

■ 30.9701, 26.3698,
6.7303

■ 35.0670, 32.4857,
14.5020

■ 29.4130, 23.8286,
4.4445

■ 37.6532, 36.0910,
20.1949

■ 28.1460, 21.6084,
3.0548

■ 40.6247, 40.0797,
27.2107

■ 27.4591, 20.3467,
2.4801

■ 43.9998, 44.4644,
35.6275

■ 47.7950, 49.2573,
45.5174

■ 52.0263, 54.4697,
56.9474

■ 56.7084, 60.1126,
69.9804

■ 61.8554, 66.1965,
84.6758

■ 67.4809, 72.7313,
101.0900

Harmonies

Analogous

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



38.3674, 29.2487, 15.9991



32.8459, 29.2487, 10.0453



26.6207, 29.2487, 8.8280

Triad

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



32.8459, 29.2487, 10.0453



17.7324, 29.2487, 35.3976



35.2167, 29.2487, 67.3248

Complementary

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



32.8459, 29.2487, 10.0453



21.8106, 23.3451, 56.7822

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.



29.0136, 29.2487, 78.0028



32.8459, 29.2487, 10.0453



19.3764, 29.2487, 55.7283

Square

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



32.8459, 29.2487, 10.0453



18.4511, 29.2487, 20.0502



23.2993, 29.2487, 73.1278



39.8696, 29.2487, 47.5471

Rectangle

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



32.8459, 29.2487, 10.0453



23.0103, 29.2487, 10.2487



23.2993, 29.2487, 73.1278



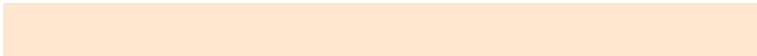
33.2121, 29.2487, 72.3716

Sweetspot

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



32.8466, 29.2502, 10.0459



80.7465, 82.3410, 70.3811



30.1286, 18.4497, 25.6779



16.8754, 17.1065, 14.0111



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.



32.8466, 29.2502, 10.0459



53.8143, 45.0522, 10.3028



44.1755, 51.9081, 13.8222



11.0506, 11.4703, 11.1943



17.9424, 13.4019, 1.6412



0.9220, 0.7795, 0.1019

Inverse Universe

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



21.8106, 23.3451, 56.7822



32.7612, 33.7672, 99.3988



15.3212, 10.3661, 54.6190



10.5016, 11.1772, 13.5214



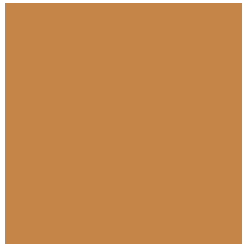
9.8134, 9.0208, 35.9683



0.5370, 0.5717, 1.7272

Previews

White Background



This preview shows how the XYZ color 32.8459, 29.2487, 10.0453 looks on a white background.

Color Contrast Check

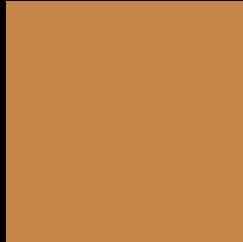
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.8459, 29.2487, 10.0453 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

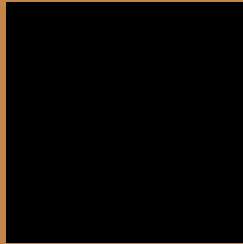
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.8459, 29.2487, 10.0453

Background



This preview shows how black text looks on a background with the XYZ color 32.8459, 29.2487, 10.0453.



This preview shows how white text looks on a background with the XYZ color 32.8459, 29.2487,

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

32.8459, 29.2487, 10.0453

Protanopia

27.0337, 29.5022, 11.2908

Deuteranopia

29.7750, 29.1434, 9.8503



Tritanopia

36.1911, 29.2275, 26.6557

Trichromacy



Original Color

32.8459, 29.2487, 10.0453

Protanomaly

28.9970, 29.3830, 10.7998

Deuteranomaly

30.8220, 29.0376, 9.9416

Tritanomaly

34.8623, 29.2879, 19.1449

Monochromacy



Original Color

32.8459, 29.2487, 10.0453

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

28.1047, 28.2503, 21.1111

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8459, 29.2487, 10.0453 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(198, 133, 72)` looks like.

```
.text, #text, p{  
    color:rgb(198, 133, 72)  
}
```

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(198, 133, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 133, 72) }
```

Border

The CSS property to change the border of an element to XYZ 32.8459, 29.2487, 10.0453 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(198, 133, 72) }
```


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

```
.border{ border-color:rgb(198, 133, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 133, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 133, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 133, 72);  
box-shadow:4px 4px 4px 4px rgb(198, 133,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8459, 29.2487, 10.0453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 133, 72) }
```

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

```
.background{ background-color: rgb(198,  
133, 72) }
```

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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