

Converting Colors

XYZ(32.2423, 27.9179, 8.9371)

Have a look what the booklet for
XYZ(32.2423, 27.9179, 8.9371)
contains.

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Color

**XYZ(32.2855, 27.9857,
9.0103)**

Conversions

Conversions Part 1

Format	Color
Hex	C78043
RGB	199, 128, 67
RGB Percent	78%, 50%, 26%
CMY	0.2196, 0.4980, 0.7372
CMYK	0.00, 0.36, 0.66, 0.22
HSL	28°, 54%, 52%
HSV	28°, 66%, 78%
XYZ	32.2855, 27.9857, 9.0103
YIQ	142.2750, 61.8970, -3.9190

Conversions

Conversions Part 2

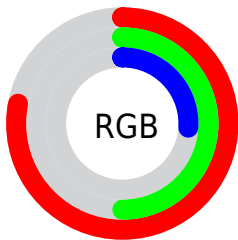
Format	Color
RYB	199, 180, 67
Decimal	13074499
CIELab	59.88, 21.82, 43.67
CIELCh	60, 48.812, 63.453
Yxy	27.9857, 0.4660, 0.4039
Android (android.graphics.Color)	4291264579 (0xFFC78043)
YUV	142.2750, -37.1106, 49.7478
Hunter-Lab	52.9015, 16.3599, 26.9327

Details

The XYZ color **32.2855, 27.9857, 9.0103** 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 **21.7115, 23.4925, 57.4228**, and the grayscale version is **25.9461, 27.2973, 29.7268**.

A 20% lighter version of the original color is **60.9748, 55.5921, 24.3463**, and **13.8181, 11.1552, 1.9971** is the 20% darker color. If you saturate the color by 10%, you get **30.4648, 25.1413, 5.9472**, and if you desaturate by 10%, it is **34.4598, 31.2095, 13.2036**.

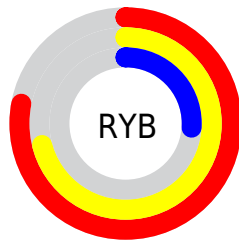
Distribution



Red (78%)

Green (50%)

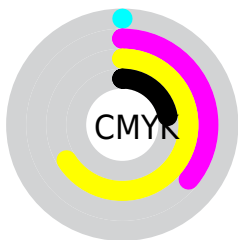
Blue (26%)



Red (78%)

Yellow (71%)

Blue (26%)

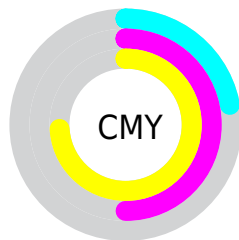


Cyan (0%)

Magenta (36%)

Yellow (66%)

Black (22%)



Cyan (22%)


Magenta (50%)


Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.2855, 27.9857, 9.0103 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 32.2855, 27.9857, 9.0103 by changing the saturation by 10% instead.


 32.2855, 27.9857,
9.0103


 32.2855, 27.9857,
9.0103


304.1400,
292.3986, 193.6756


 21.7363, 18.3149,
4.6510


 62.6206, 56.4616,
24.4946

 13.7788, 11.1763,
1.9889


 83.1371, 76.0355,
36.4566

 8.0476, 6.1855,
0.5484


 107.7068, 99.6792,
51.7900

 4.1775, 2.9582,
0.0000

 136.6950,
127.7771, 70.9132

 1.8030, 1.1100,
0.0000

 170.4671,
160.7136, 94.2448

 0.5195, 0.0000,
0.0000

209.3884,

 0.0000, 0.0000,

198.8731, 122.2034

0.0000

253.8242,
242.6399, 155.2075

■ 32.2855, 27.9857,
9.0103

■ 32.2855, 27.9857,
9.0103

■ 30.4648, 25.1413,
5.9472

■ 34.4598, 31.2095,
13.2036

■ 28.9693, 22.6542,
3.8950

■ 37.0092, 34.8248,
18.6265

■ 27.7665, 20.5049,
2.7041

■ 39.9551, 38.8480,
25.3694

■ 27.3776, 19.7910,
2.3771

■ 43.3168, 43.2931,
33.5134

■ 47.1121, 48.1736,
43.1334

■ 51.3576, 53.5019,
54.2984

■ 56.0690, 59.2902,
67.0736

■ 61.2612, 65.5501,
81.5200

■ 66.9484, 72.2925,
97.6955

Harmonies

Analogous

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



37.8253, 27.9857, 15.2712



32.2855, 27.9857, 9.0103



25.8887, 27.9857, 7.5309

Triad

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



32.2855, 27.9857, 9.0103



16.3944, 27.9857, 32.5725



33.7199, 27.9857, 68.7093

Complementary

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



32.2855, 27.9857, 9.0103



21.7115, 23.4925, 57.4228

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.



27.3233, 27.9857, 78.7741



32.2855, 27.9857, 9.0103



17.8487, 27.9857, 53.4070

Square

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



32.2855, 27.9857, 9.0103



17.3045, 27.9857, 17.6280



21.6238, 27.9857, 72.3026



38.7396, 27.9857, 48.3998

Rectangle

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



32.2855, 27.9857, 9.0103



22.1355, 27.9857, 8.6692



21.6238, 27.9857, 72.3026



31.6268, 27.9857, 73.6962

Sweetspot

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



32.2862, 27.9871, 9.0108



79.7644, 80.8702, 68.5322



30.2645, 18.0382, 26.5434



16.6691, 16.7898, 13.6470



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.



32.2862, 27.9871, 9.0108



52.0058, 41.8356, 8.4660



43.5038, 50.4224, 12.7500



11.0311, 11.4313, 11.1878



17.6902, 12.8976, 1.5571



0.9099, 0.7552, 0.0978

Inverse Universe

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



21.7115, 23.4925, 57.4228



32.1112, 33.3157, 99.3459



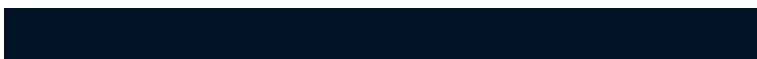
15.0459, 10.1614, 55.2009



10.5212, 11.2165, 13.5280



10.1001, 9.5942, 36.0639



0.5502, 0.5981, 1.7316

Previews

White Background



This preview shows how the XYZ color 32.2855, 27.9857, 9.0103 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 32.2855, 27.9857, 9.0103 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

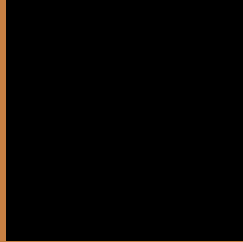
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.2855, 27.9857, 9.0103

Background



This preview shows how black text looks on a background with the XYZ color 32.2855, 27.9857, 9.0103.



This preview shows how white text looks on a background with the XYZ color 32.2855, 27.9857,

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

32.2855, 27.9857, 9.0103

Protanopia

25.7923, 28.1923, 10.2131

Deuteranopia

28.6330, 28.1423, 8.9239



Tritanopia

35.4952, 27.9830, 24.6495

Trichromacy



Original Color

32.2855, 27.9857, 9.0103

Protanomaly

27.7937, 27.9061, 9.7159

Deuteranomaly

29.7582, 27.8826, 8.9677

Tritanomaly

34.2186, 28.0334, 17.5174

Monochromacy



Original Color

32.2855, 27.9857, 9.0103

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

27.1444, 26.9157, 19.9842

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2855, 27.9857, 9.0103 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(199, 128, 67)` looks like.

```
.text, #text, p{  
    color:rgb(199, 128, 67)  
}
```

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(199, 128, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 128, 67) }
```

Border

The CSS property to change the border of an element to XYZ 32.2855, 27.9857, 9.0103 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(199, 128, 67) }
```


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

```
.border{ border-color:rgb(199, 128, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 128, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 128, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 128, 67);  
box-shadow:4px 4px 4px 4px rgb(199, 128,  
67) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2855, 27.9857, 9.0103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 128, 67) }
```

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

```
.background{ background-color: rgb(199,  
128, 67) }
```

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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