

Converting Colors

XYZ(34.5413, 29.5559, 16.6994)

Have a look what the booklet for
XYZ(34.5413, 29.5559, 16.6994)
contains.

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Color

**XYZ(34.6519, 29.6294,
16.7247)**

Conversions

Conversions Part 1

Format	Color
Hex	C98367
RGB	201, 131, 103
RGB Percent	79%, 51%, 40%
CMY	0.2118, 0.4863, 0.5961
CMYK	0.00, 0.35, 0.49, 0.21
HSL	17°, 48%, 60%
HSV	17°, 49%, 79%
XYZ	34.6519, 29.6294, 16.7247
YIQ	148.7380, 50.7080, 6.1320

Conversions

Conversions Part 2

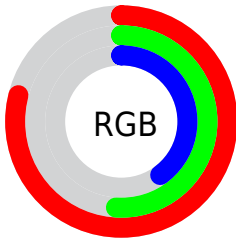
Format	Color
R_{YB}	201, 142, 103
Decimal	13206375
CIE _{Lab}	61.33, 23.86, 26.22
CIE _{LCh}	61, 35.452, 47.704
Yxy	29.6294, 0.4278, 0.3658
Android (android.graphics.Color)	4291396455 (0xFFC98367)
YUV	148.7380, -22.5488, 45.8338
Hunter-Lab	54.4329, 18.3753, 19.8860

Details

The XYZ color **34.6519, 29.6294, 16.7247** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **31.0790, 36.9861, 60.7592**, and the grayscale version is **28.5345, 30.0205, 32.6923**.

A 20% lighter version of the original color is **64.2132, 57.8741, 38.3583**, and **15.1578, 12.0997, 5.2779** is the 20% darker color. If you saturate the color by 10%, you get **31.9654, 25.6815, 11.4359**, and if you desaturate by 10%, it is **37.8496, 34.2116, 23.3808**.

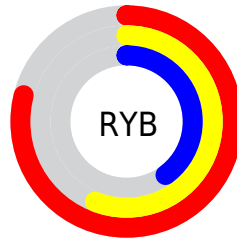
Distribution



Red (79%)

Green (51%)

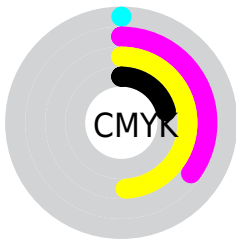
Blue (40%)



Red (79%)

Yellow (56%)

Blue (40%)

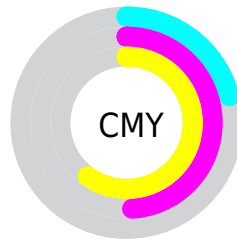


Cyan (0%)

Magenta (35%)

Yellow (49%)

Black (21%)



Cyan (21%)


Magenta (49%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.6519, 29.6294, 16.7247 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 34.6519, 29.6294, 16.7247 by changing the saturation by 10% instead.


 34.6519, 29.6294,
16.7247


 34.6519, 29.6294,
16.7247


314.5642,
300.1732, 245.5709


 23.5601, 19.5575,
9.8785


 66.2837, 59.0756,
38.6360

 15.1306, 12.0738,
5.2139


 87.5545, 79.2187,
54.5382

 8.9980, 6.7939,
2.3124


 112.9489,
103.4875, 74.2961

 4.7970, 3.3336,
0.7382

 142.8325,
132.2666, 98.3283

 2.1622, 1.3083,
0.0000

177.5704,
165.9404, 127.0533

 0.7227, 0.1476,
0.0000

217.5281,

 0.0000, 0.0000,

204.8931, 160.8898

0.0000

263.0709,
249.5092, 200.2561

■ 34.6519, 29.6294,
16.7247

■ 34.6519, 29.6294,
16.7247

■ 31.9654, 25.6815,
11.4359

■ 37.8496, 34.2116,
23.3808

■ 29.7592, 22.3346,
7.4161

■ 41.5825, 39.4507,
31.4898

■ 28.0025, 19.5588,
4.5562


■ 45.8756, 45.3734,
41.1321


■ 26.6589, 17.3195,
2.7278


■ 50.7517, 52.0037,
52.3819


■ 25.6766, 15.5740,
1.7246


■ 56.2322, 59.3643,
65.3083

 25.5722, 15.3872,
1.6222

 62.3375, 67.4770,
79.9766

 69.0869, 76.3625,
96.4485

 75.0490, 85.4608,
107.1478

 77.8973, 91.1575,
108.0973

Harmonies

Analogous

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



37.6185, 29.6294, 25.0513



34.6519, 29.6294, 16.7247



30.1191, 29.6294, 13.0841

Triad

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



34.6519, 29.6294, 16.7247



20.2631, 29.6294, 27.0855



30.9837, 29.6294, 63.5106

Complementary

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



34.6519, 29.6294, 16.7247



31.0790, 36.9861, 60.7592

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.



26.2913, 29.6294, 64.5029



34.6519, 29.6294, 16.7247



20.4398, 29.6294, 40.7370

Square

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



34.6519, 29.6294, 16.7247



22.0246, 29.6294, 17.8574



22.5374, 29.6294, 55.2854



35.3449, 29.6294, 52.8629

Rectangle

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



34.6519, 29.6294, 16.7247



26.9744, 29.6294, 12.8890



22.5374, 29.6294, 55.2854



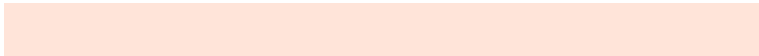
29.3837, 29.6294, 65.0727

Sweetspot

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



34.6526, 29.6309, 16.7253



81.3874, 81.5679, 76.9299



36.5032, 25.1444, 42.5832



17.0500, 16.9537, 15.6174



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.



34.6526, 29.6309, 16.7253



54.2851, 43.3074, 18.7417



42.8098, 45.9452, 19.4443



10.8766, 11.1224, 11.1363



16.1473, 9.8117, 1.0428



0.8279, 0.5912, 0.0705

Inverse Universe

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



31.0790, 36.9861, 60.7592



47.3683, 57.2866, 103.1686



23.3733, 21.5748, 58.1907



10.6807, 11.5355, 13.5811



12.9394, 15.2727, 37.0103



0.6723, 0.8423, 1.7723

Previews

White Background



This preview shows how the XYZ color 34.6519, 29.6294, 16.7247 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 34.6519, 29.6294, 16.7247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

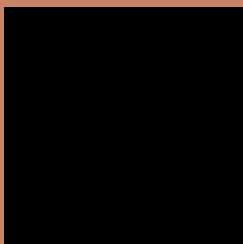
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.6519, 29.6294, 16.7247

Background



This preview shows how black text looks on a background with the XYZ color 34.6519, 29.6294, 16.7247.



This preview shows how white text looks on a background with the XYZ color 34.6519, 29.6294,

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

34.6519, 29.6294, 16.7247

Protanopia

27.7025, 29.6765, 19.0199

Deuteranopia

30.3821, 29.7506, 16.4530



Tritanopia

36.9351, 29.7937, 27.0966

Trichromacy



Original Color

34.6519, 29.6294, 16.7247

Protanomaly

29.7824, 29.4062, 18.0162

Deuteranomaly

31.7365, 29.5754, 16.6063

Tritanomaly

35.9859, 29.5901, 22.8836

Monochromacy



Original Color

34.6519, 29.6294, 16.7247

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

29.9863, 29.3368, 25.9119

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6519, 29.6294, 16.7247 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(201, 131, 103)` looks like.

```
.text, #text, p{  
    color:rgb(201, 131, 103)  
}
```

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(201, 131, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 131, 103) }
```

Border

The CSS property to change the border of an element to XYZ 34.6519, 29.6294, 16.7247 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(201, 131, 103) }
```


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

```
.border{ border-color:rgb(201, 131, 103) }
```

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

Here you see how a box with a 4 pixel rgb(201, 131, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 131, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 131, 103);  
box-shadow:4px 4px 4px 4px rgb(201, 131,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 34.6519, 29.6294, 16.7247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 131, 103) }
```

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

```
.background{ background-color: rgb(201,  
131, 103) }
```

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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