

Converting Colors

XYZ(34.1169, 29.6519, 15.8443)

Have a look what the booklet for
XYZ(34.1169, 29.6519, 15.8443)
contains.

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Color

**XYZ(34.0566, 29.5455,
15.7123)**

Conversions

Conversions Part 1

Format	Color
Hex	C78463
RGB	199, 132, 99
RGB Percent	78%, 52%, 39%
CMY	0.2196, 0.4823, 0.6118
CMYK	0.00, 0.34, 0.50, 0.22
HSL	20°, 47%, 58%
HSV	20°, 50%, 78%
XYZ	34.0566, 29.5455, 15.7123
YIQ	148.2710, 50.5250, 3.9410

Conversions

Conversions Part 2

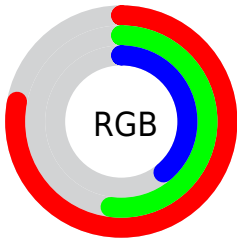
Format	Color
R_{YB}	199, 148, 99
Decimal	13075555
CIE Lab	61.26, 22.12, 28.30
CIE LCh	61, 35.919, 51.997
Yxy	29.5455, 0.4294, 0.3725
Android (android.graphics.Color)	4291265635 (0xFFC78463)
YUV	148.2710, -24.2906, 44.4893
Hunter-Lab	54.3558, 16.7165, 20.9104

Details

The XYZ color **34.0566, 29.5455, 15.7123** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **29.0900, 34.0471, 59.0712**, and the grayscale version is **28.3457, 29.8219, 32.4760**.

A 20% lighter version of the original color is **64.0940, 58.1599, 36.7020**, and **14.7925, 12.0333, 4.7918** is the 20% darker color. If you saturate the color by 10%, you get **31.5261, 25.8241, 10.7395**, and if you desaturate by 10%, it is **37.0540, 33.8257, 21.9978**.

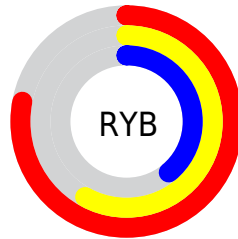
Distribution



Red (78%)

Green (52%)

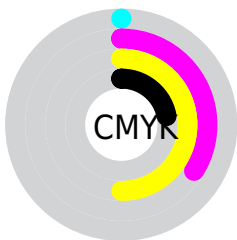
Blue (39%)



Red (78%)

Yellow (58%)

Blue (39%)

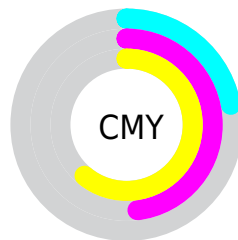


Cyan (0%)

Magenta (34%)

Yellow (50%)

Black (22%)



Cyan (22%)

Magenta (48%)

Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.0566, 29.5455, 15.7123 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 34.0566, 29.5455, 15.7123 by changing the saturation by 10% instead.


 34.0566, 29.5455,
15.7123


 34.0566, 29.5455,
15.7123


311.9658,
299.7801, 239.4255


 23.1002, 19.4939,
9.1687


 65.3654, 58.9427,
36.8578


 14.7886, 12.0277,
4.7530


 86.4485, 79.0570,
52.2968

 8.7565, 6.7625,
2.0469


 111.6378,
103.2943, 71.5380

 4.6385, 3.3140,
0.5839

 141.2987,
132.0391, 94.9998

 2.0693, 1.2978,
0.0000

175.7967,
165.6757, 123.1010

 0.6725, 0.1395,
0.0000


215.4969,


 0.0000, 0.0000,


204.5884, 156.2600


0.0000


260.7649,
249.1618, 194.8953


 34.0566, 29.5455,
15.7123


 34.0566, 29.5455,
15.7123


 31.5261, 25.8241,
10.7395


 37.0540, 33.8257,
21.9978


 29.4342, 22.6328,
6.9823


 40.5402, 38.6831,
29.6800


 27.7523, 19.9465,
4.3331

 44.5381, 44.1406,
38.8378

 26.4469, 17.7360,
2.6637

 49.0684, 50.2184,
49.5437

 25.4826, 16.0011,
1.7454

 54.1507, 56.9357,
61.8654

■ 59.8036, 64.3110,
75.8666

■ 66.0446, 72.3619,
91.6075

■ 72.3708, 80.8974,
106.4082

■ 76.4117, 88.9792,
107.7551

Harmonies

Analogous

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



37.3781, 29.5455, 23.3739



34.0566, 29.5455, 15.7123



29.3663, 29.5455, 12.6684

Triad

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



34.0566, 29.5455, 15.7123



20.0107, 29.5455, 28.6813



31.6250, 29.5455, 62.8349

Complementary

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



34.0566, 29.5455, 15.7123



29.0900, 34.0471, 59.0712

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.



26.8359, 29.5455, 65.4342



34.0566, 29.5455, 15.7123



20.4713, 29.5455, 42.9352

Square

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



34.0566, 29.5455, 15.7123



21.5132, 29.5455, 18.6601



22.8507, 29.5455, 57.3420



35.8681, 29.5455, 51.0003

Rectangle

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



34.0566, 29.5455, 15.7123



26.2353, 29.5455, 12.8384



22.8507, 29.5455, 57.3420



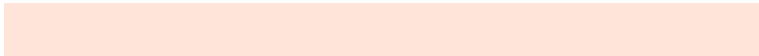
30.0136, 29.5455, 64.9298

Sweetspot

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



34.0573, 29.5470, 15.7129



81.8549, 82.5027, 77.0857



35.0210, 23.8684, 39.4824



17.1617, 17.1771, 15.6546



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.



34.0573, 29.5470, 15.7129



54.9473, 44.8374, 18.3288



42.2615, 45.9553, 18.4476



10.9151, 11.1993, 11.1491



16.4581, 10.4333, 1.1464



0.8460, 0.6274, 0.0765

Inverse Universe

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



29.0900, 34.0471, 59.0712



45.2421, 53.4700, 102.5440



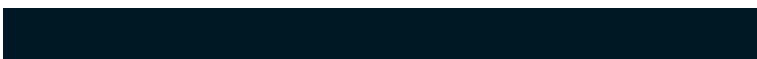
21.8549, 19.5769, 56.6595



10.6404, 11.4548, 13.5677



12.1334, 13.6608, 36.7416



0.6388, 0.7754, 1.7611

Previews

White Background



This preview shows how the XYZ color 34.0566, 29.5455, 15.7123 looks on a white background.

Color Contrast Check

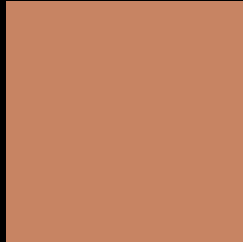
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.0566, 29.5455, 15.7123 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 34.0566, 29.5455, 15.7123

Background



This preview shows how black text looks on a background with the XYZ color 34.0566, 29.5455, 15.7123.



This preview shows how white text looks on a background with the XYZ color 34.0566, 29.5455,

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

34.0566, 29.5455, 15.7123

Protanopia

27.6886, 29.6940, 17.9078

Deuteranopia

30.1908, 29.6740, 15.4457



Tritanopia

36.4618, 29.5414, 27.4472

Trichromacy



Original Color

34.0566, 29.5455, 15.7123

Protanomaly

29.5767, 29.3239, 16.9332

Deuteranomaly

31.5428, 29.4979, 15.5865

Tritanomaly

35.5128, 29.5481, 22.5705

Monochromacy



Original Color

34.0566, 29.5455, 15.7123

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

29.6386, 29.1732, 25.1880

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.0566, 29.5455, 15.7123 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, 132, 99)` looks like.

```
.text, #text, p{  
    color:rgb(199, 132, 99)  
}
```

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, 132, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 132, 99) }
```

Border

The CSS property to change the border of an element to XYZ 34.0566, 29.5455, 15.7123 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, 132, 99) }
```


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

```
.border{ border-color:rgb(199, 132, 99) }
```

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

Here you see how a box with a 4 pixel rgb(199, 132, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 132, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 132, 99);  
box-shadow:4px 4px 4px 4px rgb(199, 132,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 34.0566, 29.5455, 15.7123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 132, 99) }
```

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

```
.background{ background-color: rgb(199,  
132, 99) }
```

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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