

Converting Colors

XYZ(32.8137, 29.3586, 12.6651)

Have a look what the booklet for
XYZ(32.8137, 29.3586, 12.6651)
contains.

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Color

**XYZ(32.9698, 29.4578,
12.7523)**

Conversions

Conversions Part 1

Format	Color
Hex	C48656
RGB	196, 134, 86
RGB Percent	77%, 53%, 34%
CMY	0.2314, 0.4745, 0.6627
CMYK	0.00, 0.32, 0.56, 0.23
HSL	26°, 48%, 55%
HSV	26°, 56%, 77%
XYZ	32.9698, 29.4578, 12.7523
YIQ	147.0660, 52.3600, -1.7840

Conversions

Conversions Part 2

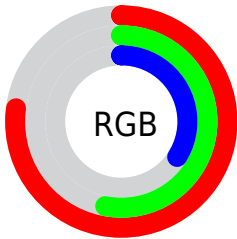
Format	Color
RYB	196, 171, 86
Decimal	12879446
CIELab	61.18, 18.63, 35.22
CIElCh	61, 39.844, 62.129
Yxy	29.4578, 0.4385, 0.3918
Android (android.graphics.Color)	4291069526 (0xFFC48656)
YUV	147.0660, -30.1055, 42.9151
Hunter-Lab	54.2750, 13.4499, 24.0619

Details

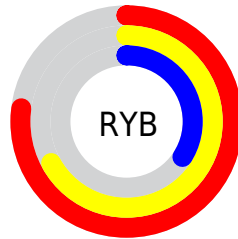
The XYZ color **32.9698, 29.4578, 12.7523** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **24.3910, 27.1427, 56.1780**, and the grayscale version is **27.8666, 29.3178, 31.9271**.

A 20% lighter version of the original color is **63.5257, 58.6068, 31.6310**, and **14.1840, 11.9761, 3.4835** is the 20% darker color. If you saturate the color by 10%, you get **30.8380, 26.2895, 8.6656**, and if you desaturate by 10%, it is **35.4791, 33.0347, 18.0336**.

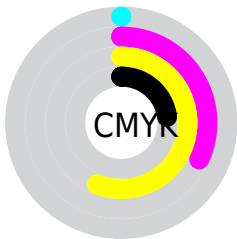
Distribution



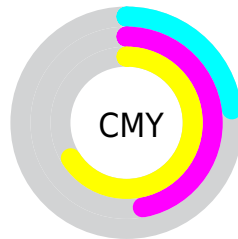
- Red (77%)
- Green (53%)
- Blue (34%)



- Red (77%)
- Yellow (67%)
- Blue (34%)



- Cyan (0%)
- Magenta (32%)
- Yellow (56%)
- Black (23%)



- Cyan (23%)
- Magenta (47%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.9698, 29.4578, 12.7523 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 32.9698, 29.4578, 12.7523 by changing the saturation by 10% instead.


 32.9698, 29.4578,
12.7523


 32.9698, 29.4578,
12.7523


307.1810,
299.3689, 220.4758


 22.2624, 19.4274,
7.1295


 63.6834, 58.8037,
31.5427


 14.1675, 11.9795,
3.4635


 84.4203, 78.8879,
45.5474


 8.3198, 6.7297,
1.3359


 109.2311,
103.0922, 63.1830

 4.3538, 3.2937,
0.0910

 138.4812,
131.8011, 84.8683

 1.9041, 1.2869,
0.0000

 172.5358,
165.3987, 111.0217

 0.5792, 0.1310,
0.0000


211.7605,

 0.0000, 0.0000,


204.2697, 142.0617


0.0000


256.5204,
248.7983, 178.4069

 32.9698, 29.4578,
12.7523


 32.9698, 29.4578,
12.7523


 30.8380, 26.2895,
8.6656


 35.4791, 33.0347,
18.0336


 29.0585, 23.5083,
5.6744


 38.3844, 37.0314,
24.5943


 27.6057, 21.0971,
3.6663

 41.7057, 41.4644,
32.5131

 26.4475, 19.0343,
2.4983

 45.4605, 46.3475,
41.8622

 26.0557, 18.3173,
2.1623

 49.6656, 51.6940,
52.7084

■ 54.3364, 57.5166,
65.1144

■ 59.4879, 63.8273,
79.1390

■ 65.1342, 70.6379,
94.8384

■ 70.0739, 77.4737,
105.8684

Harmonies

Analogous

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



37.4112, 29.4578, 19.0627



32.9698, 29.4578, 12.7523



27.6267, 29.4578, 11.0391

Triad

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



32.9698, 29.4578, 12.7523



19.1010, 29.4578, 33.1566



33.6968, 29.4578, 63.1822

Complementary

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



32.9698, 29.4578, 12.7523



24.3910, 27.1427, 56.1780

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.



28.3741, 29.4578, 70.3387



32.9698, 29.4578, 12.7523



20.3144, 29.4578, 49.9660

Square

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



32.9698, 29.4578, 12.7523



20.0142, 29.4578, 20.4032



23.5543, 29.4578, 64.8788



37.8664, 29.4578, 47.5162

Rectangle

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



32.9698, 29.4578, 12.7523



24.3777, 29.4578, 12.1040



23.5543, 29.4578, 64.8788



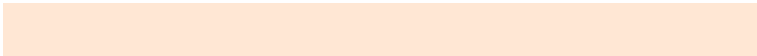
31.9617, 29.4578, 66.8495

Sweetspot

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



32.9705, 29.4593, 12.7529



81.5347, 82.9062, 73.7613



31.4646, 20.5403, 30.4620



17.1448, 17.3487, 15.0154



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.



32.9705, 29.4593, 12.7529



55.1943, 46.5989, 14.5038



42.5707, 48.6596, 15.9529



10.4267, 10.7849, 10.5940



16.8244, 11.9346, 1.4169



0.7954, 0.6526, 0.0840

Inverse Universe

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



24.3910, 27.1427, 56.1780



38.1299, 41.9324, 100.6918



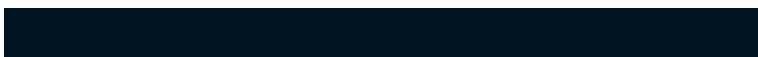
17.7455, 13.8516, 53.9629



9.9887, 10.6687, 12.8176



10.1042, 9.9650, 34.9475



0.5042, 0.5657, 1.5325

Previews

White Background



This preview shows how the XYZ color 32.9698, 29.4578, 12.7523 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 32.9698, 29.4578, 12.7523 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

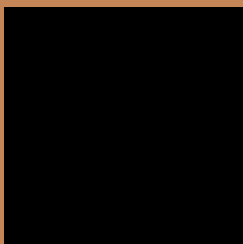
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.9698, 29.4578, 12.7523

Background



This preview shows how black text looks on a background with the XYZ color 32.9698, 29.4578, 12.7523.



This preview shows how white text looks on a background with the XYZ color 32.9698, 29.4578,

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

32.9698, 29.4578, 12.7523

Protanopia

27.3785, 29.6165, 14.1711

Deuteranopia

29.9475, 29.3931, 12.4825



Tritanopia

36.0539, 29.5238, 27.4653

Trichromacy



Original Color

32.9698, 29.4578, 12.7523

Protanomaly

29.0812, 29.3649, 13.5864

Deuteranomaly

30.9779, 29.2719, 12.6117

Tritanomaly

34.8058, 29.4154, 20.9828

Monochromacy



Original Color

32.9698, 29.4578, 12.7523

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

28.8917, 28.8260, 23.4433

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9698, 29.4578, 12.7523 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(196, 134, 86)` looks like.

```
.text, #text, p{  
    color:rgb(196, 134, 86)  
}
```

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(196, 134, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 134, 86) }
```

Border

The CSS property to change the border of an element to XYZ 32.9698, 29.4578, 12.7523 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(196, 134, 86) }
```


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

```
.border{ border-color:rgb(196, 134, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 134, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 134, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 134, 86);  
box-shadow:4px 4px 4px 4px rgb(196, 134,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9698, 29.4578, 12.7523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 134, 86) }
```

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

```
.background{ background-color: rgb(196,  
134, 86) }
```

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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