

Converting Colors

XYZ(32.3212, 29.4823, 11.7665)

Have a look what the booklet for
XYZ(32.3212, 29.4823, 11.7665)
contains.

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Color

**XYZ(32.2817, 29.5399,
11.7849)**

Conversions

Conversions Part 1

Format	Color
Hex	C18851
RGB	193, 136, 81
RGB Percent	76%, 53%, 32%
CMY	0.2431, 0.4666, 0.6823
CMYK	0.00, 0.30, 0.58, 0.24
HSL	29°, 47%, 54%
HSV	29°, 58%, 76%
XYZ	32.2817, 29.5399, 11.7849
YIQ	146.7730, 51.6270, -5.0210

Conversions

Conversions Part 2

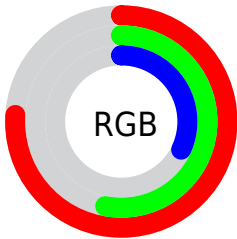
Format	Color
RYB	193, 189, 81
Decimal	12683345
CIELab	61.26, 15.86, 37.89
CIELCh	61, 41.070, 67.289
Yxy	29.5399, 0.4386, 0.4013
Android (android.graphics.Color)	4290873425 (0xFFC18851)
YUV	146.7730, -32.4261, 40.5411
Hunter-Lab	54.3506, 10.9070, 25.1895

Details

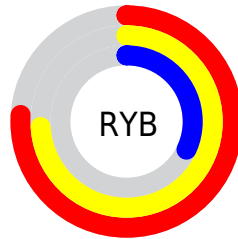
The XYZ color **32.2817, 29.5399, 11.7849** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **22.1069, 23.7754, 53.8758**, and the grayscale version is **27.7548, 29.2002, 31.7991**.

A 20% lighter version of the original color is **62.5073, 58.7566, 29.8765**, and **13.7556, 11.9996, 3.0300** is the 20% darker color. If you saturate the color by 10%, you get **30.3380, 26.6507, 8.0597**, and if you desaturate by 10%, it is **34.5593, 32.7678, 16.6366**.

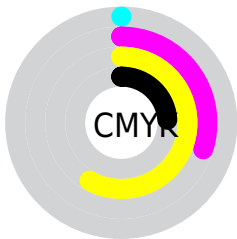
Distribution



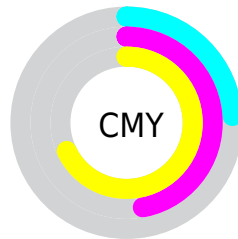
- Red (76%)
- Green (53%)
- Blue (32%)



- Red (76%)
- Yellow (74%)
- Blue (32%)



- Cyan (0%)
- Magenta (30%)
- Yellow (58%)
- Black (24%)




- Cyan (24%)
- Magenta (47%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.2817, 29.5399, 11.7849 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 32.2817, 29.5399, 11.7849 by changing the saturation by 10% instead.


 32.2817, 29.5399,
11.7849


 32.2817, 29.5399,
11.7849


304.1230,
299.7539, 213.9032

 21.7333, 19.4896,
6.4766


 62.6147, 58.9338,
29.7612


 13.7766, 12.0246,
3.0636


 83.1300, 79.0462,
43.2664


 8.0461, 6.7604,
1.1272


 107.6983,
103.2814, 60.3409

 4.1765, 3.3127,
0.0000

 136.6851,
132.0239, 81.4034

 1.8025, 1.2971,
0.0000

 170.4556,
165.6580, 106.8723

 0.5192, 0.1390,
0.0000

209.3751,

 0.0000, 0.0000,

204.5681, 137.1662

0.0000

253.8092,
249.1386, 172.7036

■ 32.2817, 29.5399,
11.7849

■ 32.2817, 29.5399,
11.7849

■ 30.3380, 26.6507,
8.0597

■ 34.5593, 32.7678,
16.6366

■ 28.7046, 24.0820,
5.3638

■ 37.1878, 36.3429,
22.6976

■ 27.3579, 21.8196,
3.5857

■ 40.1853, 40.2787,
30.0449

■ 26.2619, 19.8434,
2.5552

■ 43.5679, 44.5864,
38.7485

■ 26.0651, 19.4831,
2.3868

■ 47.3507, 49.2769,
48.8732

■ 51.5479, 54.3603,
60.4797

■ 56.1729, 59.8464,
73.6253

■ 61.2386, 65.7446,
88.3639

■ 66.7571, 72.0640,
104.7470

Harmonies

Analogous

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



37.1794, 29.5399, 17.2966



32.2817, 29.5399, 11.7849



26.7793, 29.5399, 10.7581

Triad

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



32.2817, 29.5399, 11.7849



18.9814, 29.5399, 36.0881



34.8525, 29.5399, 62.1159

Complementary

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



32.2817, 29.5399, 11.7849



22.1069, 23.7754, 53.8758

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.



29.4155, 29.5399, 71.6218



32.2817, 29.5399, 11.7849



20.5962, 29.5399, 53.7654

Square

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



32.2817, 29.5399, 11.7849



19.5427, 29.5399, 21.9902



24.2539, 29.5399, 68.1554



38.7915, 29.5399, 45.0725

Rectangle

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



32.2817, 29.5399, 11.7849



23.5781, 29.5399, 12.3066



24.2539, 29.5399, 68.1554



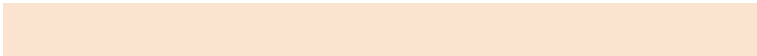
33.1141, 29.5399, 66.5120

Sweetspot

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



32.2824, 29.5414, 11.7855



78.5228, 80.4725, 70.6933



29.5853, 19.0827, 26.4993



16.5684, 16.9154, 14.4382



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



32.2824, 29.5414, 11.7855



53.3815, 46.2612, 12.7670



42.1373, 49.2511, 15.0704



10.4725, 10.8764, 10.6093



17.4161, 13.1180, 1.6141



0.8215, 0.7048, 0.0927

Inverse Universe

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



22.1069, 23.7754, 53.8758



33.4125, 34.9376, 95.3429



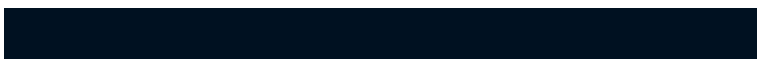
16.1022, 11.7660, 51.8742



9.9425, 10.5763, 12.8022



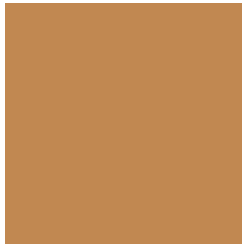
9.4008, 8.5582, 34.7130



0.4751, 0.5075, 1.5228

Previews

White Background



This preview shows how the XYZ color 32.2817, 29.5399, 11.7849 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 32.2817, 29.5399, 11.7849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

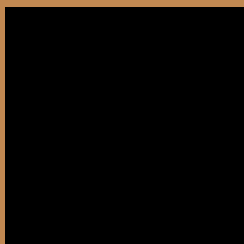
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.2817, 29.5399, 11.7849

Background



This preview shows how black text looks on a background with the XYZ color 32.2817, 29.5399, 11.7849.



This preview shows how white text looks on a background with the XYZ color 32.2817, 29.5399,

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

32.2817, 29.5399, 11.7849

Protanopia

27.3339, 29.6222, 12.8713

Deuteranopia

30.0289, 29.4527, 11.6917



Tritanopia

35.5364, 29.4349, 28.2346

Trichromacy



Original Color

32.2817, 29.5399, 11.7849

Protanomaly

29.0291, 29.5853, 12.5680

Deuteranomaly

30.6882, 29.3587, 11.6388

Tritanomaly

34.2862, 29.5463, 21.0355

Monochromacy



Original Color

32.2817, 29.5399, 11.7849

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

28.7075, 28.9675, 22.8171

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2817, 29.5399, 11.7849 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(193, 136, 81)` looks like.

```
.text, #text, p{  
    color:rgb(193, 136, 81)  
}
```

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(193, 136, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 136, 81) }
```

Border

The CSS property to change the border of an element to XYZ 32.2817, 29.5399, 11.7849 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(193, 136, 81) }
```


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

```
.border{ border-color:rgb(193, 136, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 136, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 136, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 136, 81);  
box-shadow:4px 4px 4px 4px rgb(193, 136,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2817, 29.5399, 11.7849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 136, 81) }
```

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

```
.background{ background-color: rgb(193,  
136, 81) }
```

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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