

Converting Colors

XYZ(32.7832, 31.2522, 14.6587)

Have a look what the booklet for
XYZ(32.7832, 31.2522, 14.6587)
contains.

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Color

**XYZ(32.7845, 31.2541,
14.6606)**

Conversions

Conversions Part 1

Format	Color
Hex	BD8F5D
RGB	189, 143, 93
RGB Percent	74%, 56%, 36%
CMY	0.2588, 0.4392, 0.6353
CMYK	0.00, 0.24, 0.51, 0.26
HSL	31°, 42%, 55%
HSV	31°, 51%, 74%
XYZ	32.7845, 31.2541, 14.6606
YIQ	151.0540, 43.4660, -5.7980

Conversions

Conversions Part 2

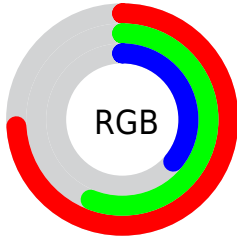
Format	Color
RYB	181, 189, 93
Decimal	12423005
CIELab	62.72, 11.34, 33.22
CIElCh	63, 35.100, 71.154
Yxy	31.2541, 0.4166, 0.3971
Android (android.graphics.Color)	4290613085 (0xFFBD8F5D)
YUV	151.0540, -28.6206, 33.2786
Hunter-Lab	55.9054, 6.8431, 23.5856

Details

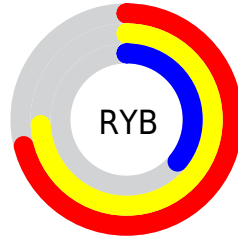
The XYZ color **32.7845, 31.2541, 14.6606** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **22.9316, 24.4653, 51.6575**, and the grayscale version is **29.5449, 31.0835, 33.8499**.

A 20% lighter version of the original color is **63.3581, 61.7203, 34.9594**, and **14.0609, 13.0047, 4.2517** is the 20% darker color. If you saturate the color by 10%, you get **30.7438, 28.3509, 10.3484**, and if you desaturate by 10%, it is **35.1434, 34.4626, 20.1001**.

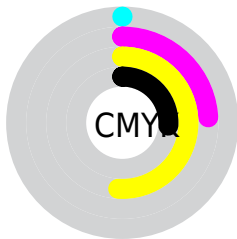
Distribution



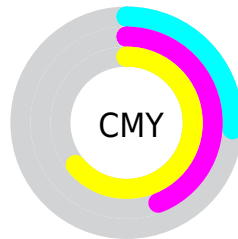
- Red (74%)
- Green (56%)
- Blue (36%)



- Red (71%)
- Yellow (74%)
- Blue (36%)



- Cyan (0%)
- Magenta (24%)
- Yellow (51%)
- Black (26%)





- Cyan (26%)
- Magenta (44%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.7845, 31.2541, 14.6606 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 32.7845, 31.2541, 14.6606 by changing the saturation by 10% instead.


 32.7845, 31.2541,
14.6606


 32.7845, 31.2541,
14.6606


306.3597,
307.7072, 232.8722

 22.1199, 20.7924,
8.4376


 63.3959, 61.6399,
34.9905

 14.0621, 12.9723,
4.2844


 84.0733, 82.3328,
49.9345

 8.2459, 7.4095,
1.7826


 108.8190,
107.2049, 68.6225

 4.3058, 3.7195,
0.4165

 137.9984,
136.6406, 91.4731

 1.8765, 1.5179,
0.0000

171.9768,
171.0243, 118.9048

 0.5631, 0.3013,
0.0000

211.1196,

 0.0000, 0.0000,

210.7404, 151.3362

0.0000

255.7921,
256.1732, 189.1858

■ 32.7845, 31.2541,
14.6606

■ 32.7845, 31.2541,
14.6606

■ 30.7438, 28.3509,
10.3484

■ 35.1434, 34.4626,
20.1001

■ 29.0009, 25.7371,
7.0791

■ 37.8346, 37.9823,
26.7394

■ 27.5361, 23.4018,
4.7590

■ 40.8740, 41.8248,
34.6469

■ 26.3257, 21.3309,
3.2767

■ 44.2757, 45.9994,
43.8853

■ 25.3958, 19.6380,
2.4520

■ 48.0530, 50.5150,
54.5132

■ 52.2184, 55.3802,
66.5856

■ 56.7837, 60.6032,
80.1545

■ 61.7604, 66.1917,
95.2693

■ 65.8271, 71.6207,
104.9625

Harmonies

Analogous

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



37.2018, 31.2541, 19.4451



32.7845, 31.2541, 14.6606



27.9582, 31.2541, 14.1439

Triad

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



32.7845, 31.2541, 14.6606



21.5485, 31.2541, 39.3976



36.1951, 31.2541, 58.0310

Complementary

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



32.7845, 31.2541, 14.6606



22.9316, 24.4653, 51.6575

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.



31.5254, 31.2541, 67.0610



32.7845, 31.2541, 14.6606



23.2916, 31.2541, 54.5295

Square

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



32.7845, 31.2541, 14.6606



21.8079, 31.2541, 26.1948



26.8267, 31.2541, 65.6305



39.3125, 31.2541, 43.2909

Rectangle

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



32.7845, 31.2541, 14.6606



25.1876, 31.2541, 16.0680



26.8267, 31.2541, 65.6305



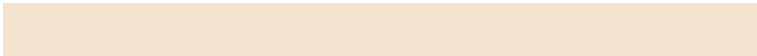
34.7351, 31.2541, 61.9932

Sweetspot

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



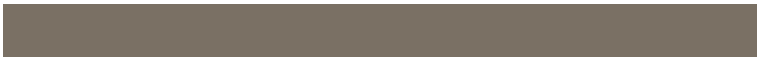
32.7853, 31.2556, 14.6612



76.5072, 78.9859, 70.9396



29.5902, 20.5235, 26.9817



16.1779, 16.6480, 14.5109



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



32.7853, 31.2556, 14.6612



54.6660, 50.1962, 17.7469



40.7648, 47.8006, 17.4342



9.9302, 10.3364, 10.0484



17.1641, 13.3670, 1.6754



0.7375, 0.6539, 0.0873

Inverse Universe

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



22.9316, 24.4653, 51.6575



35.0413, 36.6824, 91.4598



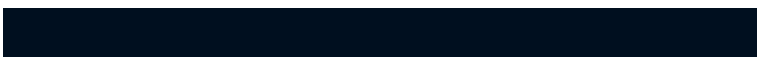
17.7777, 13.9147, 49.8927



9.3835, 9.9592, 12.1000



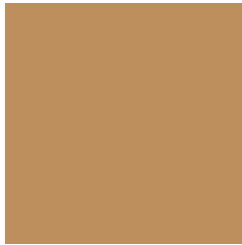
8.7473, 7.6063, 33.4000



0.4082, 0.4290, 1.3301

Previews

White Background



This preview shows how the XYZ color 32.7845, 31.2541, 14.6606 looks on a white background.

Color Contrast Check

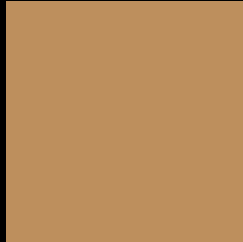
Large Text (above 18pt) WCAG AA × Fail

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 32.7845, 31.2541, 14.6606 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 ✓ Pass

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

XYZ 32.7845, 31.2541, 14.6606

Background



This preview shows how black text looks on a background with the XYZ color 32.7845, 31.2541, 14.6606.



This preview shows how white text looks on a background with the XYZ color 32.7845, 31.2541,

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

32.7845, 31.2541, 14.6606

Protanopia

29.0654, 31.4080, 15.5968

Deuteranopia

31.8683, 31.2315, 14.7046



Tritanopia

36.3188, 31.1842, 31.7087

Trichromacy



Original Color

32.7845, 31.2541, 14.6606

Protanomaly

30.2686, 31.3198, 15.2765

Deuteranomaly

32.1987, 31.1759, 14.6764

Tritanomaly

34.8016, 31.2040, 24.2674

Monochromacy



Original Color

32.7845, 31.2541, 14.6606

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

30.1362, 30.7908, 25.4740

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7845, 31.2541, 14.6606 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(189, 143, 93)` looks like.

```
.text, #text, p{  
    color:rgb(189, 143, 93)  
}
```

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(189, 143, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 143, 93) }
```

Border

The CSS property to change the border of an element to XYZ 32.7845, 31.2541, 14.6606 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(189, 143, 93) }
```


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

```
.border{ border-color:rgb(189, 143, 93) }
```

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

Here you see how a box with a 4 pixel rgb(189, 143, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 143, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 143, 93);  
box-shadow:4px 4px 4px 4px rgb(189, 143,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7845, 31.2541, 14.6606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 143, 93) }
```

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

```
.background{ background-color: rgb(189,  
143, 93) }
```

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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