

Converting Colors

XYZ(20.2488, 21.4257, 14.9332)

Have a look what the booklet for
XYZ(20.2488, 21.4257, 14.9332)
contains.

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Color

**XYZ(20.3227, 21.4829,
14.8799)**

Conversions

Conversions Part 1

Format	Color
Hex	8A7F63
RGB	138, 127, 99
RGB Percent	54%, 50%, 39%
CMY	0.4588, 0.5019, 0.6118
CMYK	0.00, 0.08, 0.28, 0.46
HSL	43°, 16%, 46%
HSV	43°, 28%, 54%
XYZ	20.3227, 21.4829, 14.8799
YIQ	127.0970, 15.5440, -6.3760

Conversions

Conversions Part 2

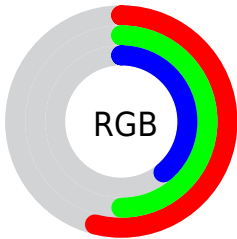
Format	Color
R _Y B	114, 138, 99
Decimal	9076579
CIE Lab	53.47, -0.47, 16.77
CIE LCh	53, 16.772, 91.608
Yxy	21.4829, 0.3585, 0.3790
Android (android.graphics.Color)	4287266659 (0xFF8A7F63)
YUV	127.0970, -13.8518, 9.5619
Hunter-Lab	46.3496, -2.8459, 13.4105

Details

The XYZ color **20.3227, 21.4829, 14.8799** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.3088, 15.6389, 26.2564**, and the grayscale version is **20.2490, 21.3035, 23.1995**.

A 20% lighter version of the original color is **43.5645, 46.0510, 35.4468**, and **7.2747, 7.7229, 4.3561** is the 20% darker color. If you saturate the color by 10%, you get **19.2259, 20.2563, 11.5329**, and if you desaturate by 10%, it is **21.5528, 22.7954, 18.8282**.

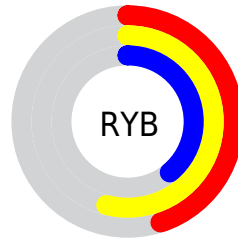
Distribution



Red (54%)

Green (50%)

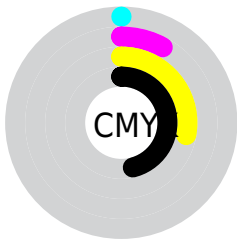
Blue (39%)



Red (45%)

Yellow (54%)

Blue (39%)

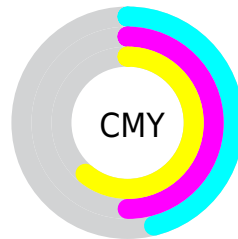


Cyan (0%)

Magenta (8%)

Yellow (28%)

Black (46%)



Cyan (46%)

Magenta (50%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3227, 21.4829, 14.8799 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 20.3227, 21.4829, 14.8799 by changing the saturation by 10% instead.

■ 20.3227, 21.4829,
14.8799

■ 20.3227, 21.4829,
14.8799

246.4572,
259.8338, 234.2538

■ 12.7395, 13.4774,
8.5895

■ 43.4574, 45.8898,
35.3817

■ 7.3251, 7.7581,
4.3812

■ 59.7395, 63.0601,
50.4301

■ 3.7144, 3.9406,
1.8367

■ 79.6520, 84.0541,
69.2349

■ 1.5419, 1.6404,
0.4520

■ 103.5602,
109.2562, 92.2146

■ 0.3541, 0.3846,
0.0000

131.8295,
139.0509, 119.7878

■ 0.0000, 0.0000,
0.0000

164.8252,

173.8224, 152.3731

202.9126,
213.9553, 190.3889

■ 20.3227, 21.4829,
14.8799

■ 20.3227, 21.4829,
14.8799

■ 19.2259, 20.2563,
11.5329

■ 21.5528, 22.7954,
18.8282

■ 18.2547, 19.1099,
8.7554

■ 22.9201, 24.1934,
23.4045

■ 17.4033, 18.0418,
6.5152

■ 24.4304, 25.6804,
28.6355

■ 16.6646, 17.0487,
4.7758

■ 26.0884, 27.2585,
34.5462

■ 16.0307, 16.1272,
3.4963

■ 27.8989, 28.9300,
41.1600

■ 15.4922, 15.2732,
2.6296

■ 29.8664, 30.6969,
48.4993

■ 15.0292, 14.4782,
2.0714

■ 31.9950, 32.5614,
56.5855

■ 14.9515, 14.3440,
1.9806

■ 34.2889, 34.5253,
65.4391

■ 36.7520, 36.5905,
75.0799

Harmonies

Analogous

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



22.0940, 21.4829, 15.7683



20.3227, 21.4829, 14.8799



18.6730, 21.4829, 15.9813

Triad

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



20.3227, 21.4829, 14.8799



17.6341, 21.4829, 28.9282



23.5882, 21.4829, 28.3813

Complementary

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



20.3227, 21.4829, 14.8799



15.3088, 15.6389, 26.2564

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.



22.2703, 21.4829, 32.7969



20.3227, 21.4829, 14.8799



18.8305, 21.4829, 33.1436

Square

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



20.3227, 21.4829, 14.8799



17.1777, 21.4829, 23.6681



20.5153, 21.4829, 34.6520



24.0440, 21.4829, 23.1165

Rectangle

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



20.3227, 21.4829, 14.8799



17.8461, 21.4829, 17.8043



20.5153, 21.4829, 34.6520



23.2277, 21.4829, 30.0394

Sweetspot

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



20.3233, 21.4839, 14.8803



40.4235, 42.6680, 41.3314



17.7604, 15.4541, 16.8132



8.9905, 9.4936, 9.0111



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



20.3233, 21.4839, 14.8803



34.5466, 36.4533, 22.2958



20.4777, 23.7881, 15.3170



5.3139, 5.6106, 5.3553



13.7212, 13.1768, 1.8202



0.1036, 0.1124, 0.0162

Inverse Universe

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



15.3088, 15.6389, 26.2564



24.1847, 24.3789, 45.8141



15.1672, 13.9127, 25.9307



4.8821, 5.1070, 6.3343



4.8797, 3.0298, 22.3733



0.0435, 0.0424, 0.1523

Previews

White Background



This preview shows how the XYZ color 20.3227, 21.4829, 14.8799 looks on a white background.

Color Contrast Check

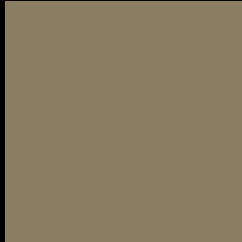
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3227, 21.4829, 14.8799 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

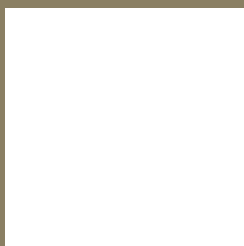
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.3227, 21.4829, 14.8799

Background



This preview shows how black text looks on a background with the XYZ color 20.3227, 21.4829, 14.8799.



This preview shows how white text looks on a background with the XYZ color 20.3227, 21.4829,

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

20.3227, 21.4829, 14.8799

Protanopia

20.1246, 21.5734, 14.9078

Deuteranopia

21.9609, 21.5700, 15.0626



Tritanopia

22.4031, 21.5826, 24.8149

Trichromacy



Original Color

20.3227, 21.4829, 14.8799

Protanomaly

20.2878, 21.6576, 14.9154

Deuteranomaly

21.3620, 21.4464, 15.0703

Tritanomaly

21.5823, 21.4341, 20.7690

Monochromacy



Original Color

20.3227, 21.4829, 14.8799

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.1603, 21.2884, 19.8761

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3227, 21.4829, 14.8799 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(138, 127, 99)` looks like.

```
.text, #text, p{  
    color:rgb(138, 127, 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(138, 127, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 127, 99) }
```

Border

The CSS property to change the border of an element to XYZ 20.3227, 21.4829, 14.8799 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(138, 127, 99) }
```


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

```
.border{ border-color:rgb(138, 127, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 127, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 127, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 127, 99);  
box-shadow:4px 4px 4px 4px rgb(138, 127,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3227, 21.4829, 14.8799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 127, 99) }
```

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

```
.background{ background-color: rgb(138,  
127, 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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