

Converting Colors

XYZ(47.8959, 43.5269, 21.4999)

Have a look what the booklet for
XYZ(47.8959, 43.5269, 21.4999)
contains.

XYZ(47.8959, 43.5269, 21.4999)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(47.8959, 43.5269,
21.4999)**

Conversions

Conversions Part 1

Format	Color
Hex	E4A271
RGB	228, 162, 113
RGB Percent	89%, 64%, 44%
CMY	0.1059, 0.3647, 0.5569
CMYK	0.00, 0.29, 0.50, 0.11
HSL	26°, 68%, 67%
HSV	26°, 50%, 89%
XYZ	47.8959, 43.5269, 21.4999
YIQ	176.1480, 55.0650, -1.2470

Conversions

Conversions Part 2

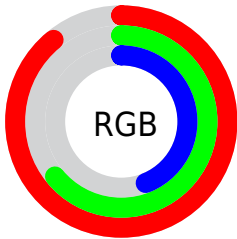
Format	Color
R_{YB}	228, 198, 113
Decimal	14983793
CIE _{Lab}	71.91, 18.96, 35.11
CIE _{LCh}	72, 39.899, 61.633
Yxy	43.5269, 0.4241, 0.3855
Android (android.graphics.Color)	4293173873 (0xFFE4A271)
YUV	176.1480, -31.1320, 45.4742
Hunter-Lab	65.9749, 14.1298, 26.8610

Details

The XYZ color **47.8959, 43.5269, 21.4999** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **36.9330, 41.3505, 79.4335**, and the grayscale version is **41.4822, 43.6425, 47.5267**.

A 20% lighter version of the original color is **72.8444, 73.6023, 45.9647**, and **23.0789, 20.0681, 7.5076** is the 20% darker color. If you saturate the color by 10%, you get **44.5840, 38.7058, 14.8390**, and if you desaturate by 10%, it is **51.7722, 48.9610, 29.9404**.

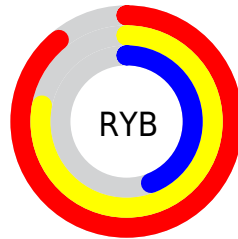
Distribution



Red (89%)

Green (64%)

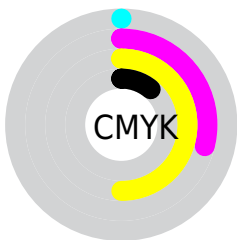
Blue (44%)



Red (89%)

Yellow (78%)

Blue (44%)

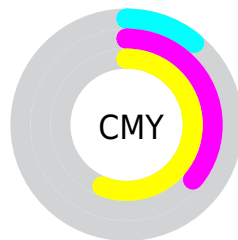


Cyan (0%)

Magenta (29%)

Yellow (50%)

Black (11%)



Cyan (11%)


Magenta (36%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.8959, 43.5269, 21.4999 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 47.8959, 43.5269, 21.4999 by changing the saturation by 10% instead.


 47.8959, 43.5269,
21.4999


 47.8959, 43.5269,
21.4999


368.9688,
360.7742, 272.7912


 33.9554, 30.2987,
13.2951


 86.2600, 80.5054,
46.8096


 23.0220, 20.0655,
7.4990


 111.4143,
105.0245, 64.7515

 14.7306, 12.4426,
3.6929


 141.0372,
134.0760, 86.7763

 8.7156, 7.0459,
1.4584

 175.4942,
168.0444, 113.3024

 4.6118, 3.4908,
0.1867

215.1504,
207.3140, 144.7484

 2.0537, 1.3930,
0.0000

260.3714,

 0.6639, 0.2116,

252.2693, 181.5329

0.0000

311.5224,
303.2945, 224.0743

■ 0.0000, 0.0000,
0.0000

■ 47.8959, 43.5269,
21.4999

■ 47.8959, 43.5269,
21.4999

■ 44.5840, 38.7058,
14.8390

■ 51.7722, 48.9610,
29.9404

■ 41.8014, 34.4667,
9.8231

■ 56.2388, 55.0243,
40.2765

■ 39.5133, 30.7852,
6.3022

■ 61.3236, 61.7406,
52.6174

■ 37.6781, 27.6318,
4.0967

■ 67.0515, 69.1300,
67.0630

■ 36.2842, 25.0726,
2.9271

■ 73.4462, 77.2121,
83.7065

■ 80.5298, 86.0051,
102.6356

■ 85.3583, 94.3409,
108.3185

■ 85.8048, 95.2339,
108.4673

Harmonies

Analogous

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



53.5251, 43.5269, 30.3494



47.8959, 43.5269, 21.4999



40.9998, 43.5269, 18.9624

Triad

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



47.8959, 43.5269, 21.4999



29.6346, 43.5269, 48.4677



48.6105, 43.5269, 86.9353

Complementary

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



47.8959, 43.5269, 21.4999



36.9330, 41.3505, 79.4335

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.



41.7445, 43.5269, 95.5125



47.8959, 43.5269, 21.4999



31.2119, 43.5269, 69.8574

Square

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



47.8959, 43.5269, 21.4999



30.9044, 43.5269, 31.7424



35.4674, 43.5269, 88.5429



53.9684, 43.5269, 67.4925

Rectangle

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



47.8959, 43.5269, 21.4999



36.7379, 43.5269, 20.4214



35.4674, 43.5269, 88.5429



46.3781, 43.5269, 91.3916

Sweetspot

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



47.8970, 43.5290, 21.5007



82.8848, 84.5627, 77.4290



46.1469, 31.6033, 46.8926



17.4084, 17.6704, 15.7369



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.



47.8970, 43.5290, 21.5007



57.1018, 49.3457, 18.4326



60.1551, 68.0454, 25.5868



14.8794, 15.3727, 15.0874



21.0639, 14.7020, 1.7276



1.6471, 1.2675, 0.1578

Inverse Universe

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



36.9330, 41.3505, 79.4335



41.3813, 46.1708, 101.3386



27.8454, 23.1753, 76.4043



14.2661, 15.2536, 18.3367



12.8805, 12.8230, 44.1794



1.0435, 1.1309, 3.2953

Previews

White Background



This preview shows how the XYZ color 47.8959, 43.5269, 21.4999 looks on a white background.

Color Contrast Check

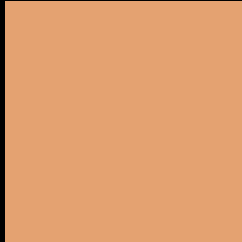
Large Text (above 18pt) WCAG AA × Fail

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 47.8959, 43.5269, 21.4999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

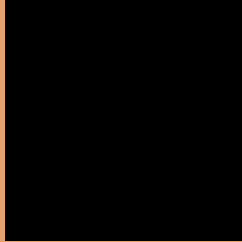
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.8959, 43.5269, 21.4999

Background



This preview shows how black text looks on a background with the XYZ color 47.8959, 43.5269, 21.4999.



This preview shows how white text looks on a background with the XYZ color 47.8959, 43.5269,

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

47.8959, 43.5269, 21.4999

Protanopia

40.5378, 43.8526, 23.7806

Deuteranopia

44.5532, 43.6919, 21.4144



Tritanopia

52.3007, 43.5563, 42.2099

Trichromacy



Original Color

47.8959, 43.5269, 21.4999

Protanomaly

42.8652, 43.6268, 22.9912

Deuteranomaly

45.4743, 43.3477, 21.2994

Tritanomaly

50.4483, 43.5492, 33.3507

Monochromacy



Original Color

47.8959, 43.5269, 21.4999

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

42.8184, 43.0278, 36.1854

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8959, 43.5269, 21.4999 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(228, 162, 113)` looks like.

```
.text, #text, p{  
    color:rgb(228, 162, 113)  
}
```

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(228, 162, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 162, 113) }
```

Border

The CSS property to change the border of an element to XYZ 47.8959, 43.5269, 21.4999 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(228, 162, 113) }
```


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

```
.border{ border-color:rgb(228, 162, 113) }
```

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

Here you see how a box with a 4 pixel rgb(228, 162, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 162, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 162, 113);  
box-shadow:4px 4px 4px 4px rgb(228, 162,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8959, 43.5269, 21.4999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 162, 113) }
```

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

```
.background{ background-color: rgb(228,  
162, 113) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor