

Converting Colors

XYZ(47.3166, 43.4151, 29.3531)

Have a look what the booklet for
XYZ(47.3166, 43.4151, 29.3531)
contains.

XYZ(47.3599, 43.3441, 29.1627)	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(47.3599, 43.3441,
29.1627)**

Conversions

Conversions Part 1

Format	Color
Hex	DDA388
RGB	221, 163, 136
RGB Percent	87%, 64%, 53%
CMY	0.1333, 0.3608, 0.4667
CMYK	0.00, 0.26, 0.38, 0.13
HSL	19°, 56%, 70%
HSV	19°, 38%, 87%
XYZ	47.3599, 43.3441, 29.1627
YIQ	177.2640, 43.2350, 3.8990

Conversions

Conversions Part 2

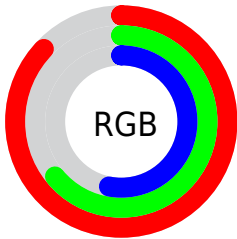
Format	Color
RYB	221, 176, 136
Decimal	14525320
CIELab	71.79, 18.00, 22.44
CIELCh	72, 28.765, 51.267
Yxy	43.3441, 0.3951, 0.3616
Android (android.graphics.Color)	4292715400 (0xFFDDA388)
YUV	177.2640, -20.3432, 38.3565
Hunter-Lab	65.8362, 13.1922, 19.8224

Details

The XYZ color **47.3599, 43.3441, 29.1627** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **42.4955, 49.0364, 75.6318**, and the grayscale version is **42.0174, 44.2056, 48.1399**.

A 20% lighter version of the original color is **75.4967, 75.0769, 58.6563**, and **22.6740, 19.9333, 11.4566** is the 20% darker color. If you saturate the color by 10%, you get **43.4289, 37.7417, 20.8861**, and if you desaturate by 10%, it is **51.9363, 49.7187, 39.2529**.

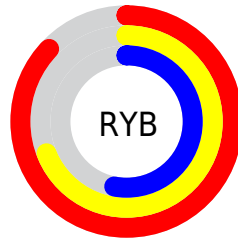
Distribution



Red (87%)

Green (64%)

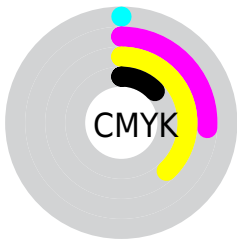
Blue (53%)



Red (87%)

Yellow (69%)

Blue (53%)

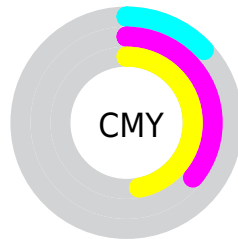


Cyan (0%)

Magenta (26%)

Yellow (38%)

Black (13%)



Cyan (13%)


Magenta (36%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.3599, 43.3441, 29.1627 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 47.3599, 43.3441, 29.1627 by changing the saturation by 10% instead.


 47.3599, 43.3441,
29.1627


 47.3599, 43.3441,
29.1627


366.8742,
360.0250, 312.0668


 33.5294, 30.1552,
18.9573


 85.4661, 80.2299,
59.3807

 22.6935, 19.9564,
11.4629


 110.4724,
104.6955, 80.2305

 14.4868, 12.3634,
6.2610


 139.9348,
133.6889, 105.4654

 8.5440, 6.9917,
2.9331

174.2186,
167.5943, 135.5041

 4.4997, 3.4569,
1.0606

213.6890,
206.7962, 170.7650

 1.9885, 1.3747,
0.0000

258.7116,

 0.6275, 0.1979,

251.6791, 211.6667

0.0000

309.6515,
302.6272, 258.6278

■ 0.0000, 0.0000,
0.0000

■ 47.3599, 43.3441,
29.1627

■ 47.3599, 43.3441,
29.1627

■ 43.4289, 37.7417,
20.8861

■ 51.9363, 49.7187,
39.2529

■ 40.1086, 32.8749,
14.3113

■ 57.1836, 56.8878,
51.2542

■ 37.3662, 28.7132,
9.3179

■ 63.1301, 64.8805,
65.2603

■ 35.1636, 25.2213,
5.7683

■ 69.8013, 73.7227,
81.3578

■ 33.4576, 22.3604,
3.5009

■ 77.2214, 83.4388,
99.6281

■ 32.1894, 20.0836,
2.2776

■ 83.1452, 93.1451,
108.2043

■ 32.0222, 19.7791,
2.1300

■ 83.6288, 94.1121,
108.3655

Harmonies

Analogous

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



50.5877, 43.3441, 38.0921



47.3599, 43.3441, 29.1627



42.6403, 43.3441, 25.2819

Triad

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



47.3599, 43.3441, 29.1627



32.5912, 43.3441, 43.2256



44.6999, 43.3441, 76.9725

Complementary

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



47.3599, 43.3441, 29.1627



42.4955, 49.0364, 75.6318

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.



39.7871, 43.3441, 79.0984



47.3599, 43.3441, 29.1627



33.0474, 43.3441, 57.6421

Square

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



47.3599, 43.3441, 29.1627



34.2943, 43.3441, 32.2811



35.5939, 43.3441, 71.4494



48.9694, 43.3441, 66.1115

Rectangle

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



47.3599, 43.3441, 29.1627



39.3888, 43.3441, 25.4184



35.5939, 43.3441, 71.4494



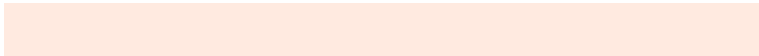
43.0603, 43.3441, 78.8072

Sweetspot

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



47.3610, 43.3462, 29.1636



84.2064, 85.5785, 82.8859



48.3701, 36.8797, 55.6574



17.7899, 18.0035, 17.1895



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.



47.3610, 43.3462, 29.1636



61.1292, 53.7332, 31.0807



56.1940, 61.0121, 32.1079



13.3920, 13.7233, 13.6686



18.6926, 11.6708, 1.2675



1.2872, 0.9085, 0.1075

Inverse Universe

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



42.4955, 49.0364, 75.6318



53.4840, 62.6024, 103.8723



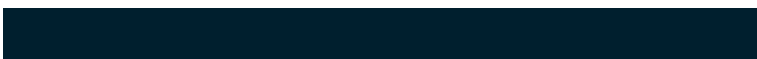
34.3656, 32.7767, 72.9218



13.0779, 14.0955, 16.6836



14.0966, 16.0627, 42.0958



0.9895, 1.1931, 2.7526

Previews

White Background



This preview shows how the XYZ color 47.3599, 43.3441, 29.1627 looks on a white background.

Color Contrast Check

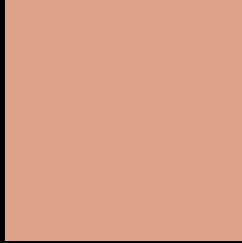
Large Text (above 18pt) WCAG AA × Fail

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 47.3599, 43.3441, 29.1627 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

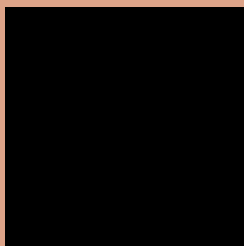
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.3599, 43.3441, 29.1627

Background



This preview shows how black text looks on a background with the XYZ color 47.3599, 43.3441, 29.1627.



This preview shows how white text looks on a background with the XYZ color 47.3599, 43.3441,

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

47.3599, 43.3441, 29.1627

Protanopia

40.9013, 43.5685, 31.8450

Deuteranopia

44.2933, 43.3906, 28.9624



Tritanopia

50.2230, 43.2033, 43.7222

Trichromacy



Original Color

47.3599, 43.3441, 29.1627

Protanomaly

42.8497, 43.1614, 30.8835

Deuteranomaly

45.3433, 43.3838, 28.9057

Tritanomaly

49.1738, 43.2982, 38.1134

Monochromacy



Original Color

47.3599, 43.3441, 29.1627

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

43.2664, 43.4511, 40.2889

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3599, 43.3441, 29.1627 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(221, 163, 136)` looks like.

```
.text, #text, p{  
    color:rgb(221, 163, 136)  
}
```

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(221, 163, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 163, 136) }
```

Border

The CSS property to change the border of an element to XYZ 47.3599, 43.3441, 29.1627 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(221, 163, 136) }
```


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

```
.border{ border-color:rgb(221, 163, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 163, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 163, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 163, 136);  
box-shadow:4px 4px 4px 4px rgb(221, 163,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3599, 43.3441, 29.1627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 163, 136) }
```

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

```
.background{ background-color: rgb(221,  
163, 136) }
```

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