

Converting Colors

XYZ(41.3057, 41.0746, 19.3871)

Have a look what the booklet for
XYZ(41.3057, 41.0746, 19.3871)
contains.

XYZ(41.2335, 40.9300, 19.3627)	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(41.2335, 40.9300,
19.3627)**

Conversions

Conversions Part 1

Format	Color
Hex	CDA56A
RGB	205, 165, 106
RGB Percent	80%, 65%, 42%
CMY	0.1961, 0.3529, 0.5843
CMYK	0.00, 0.20, 0.48, 0.20
HSL	36°, 50%, 61%
HSV	36°, 48%, 80%
XYZ	41.2335, 40.9300, 19.3627
YIQ	170.2340, 42.7790, -9.8690

Conversions

Conversions Part 2

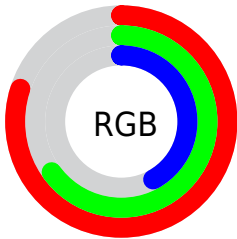
Format	Color
RYB	173, 205, 106
Decimal	13477226
CIELab	70.13, 7.27, 36.03
CIELCh	70, 36.752, 78.590
Yxy	40.9300, 0.4061, 0.4031
Android (android.graphics.Color)	4291667306 (0xFFCDA56A)
YUV	170.2340, -31.6674, 30.4898
Hunter-Lab	63.9766, 3.0860, 26.8393

Details

The XYZ color **41.2335, 40.9300, 19.3627** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **27.2418, 28.0287, 61.7318**, and the grayscale version is **38.4643, 40.4674, 44.0690**.

A 20% lighter version of the original color is **73.0048, 74.9150, 42.9600**, and **19.0381, 18.4952, 6.4374** is the 20% darker color. If you saturate the color by 10%, you get **38.8467, 37.6635, 13.9216**, and if you desaturate by 10%, it is **43.9739, 44.4959, 26.1797**.

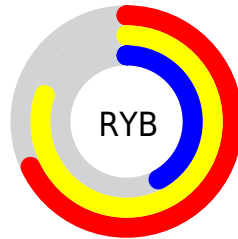
Distribution



Red (80%)

Green (65%)

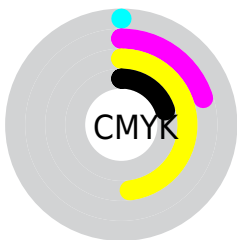
Blue (42%)



Red (68%)

Yellow (80%)

Blue (42%)

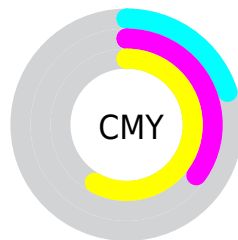


Cyan (0%)

Magenta (20%)

Yellow (48%)

Black (20%)



Cyan (20%)


Magenta (35%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.2335, 40.9300, 19.3627 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 41.2335, 40.9300, 19.3627 by changing the saturation by 10% instead.


 41.2335, 40.9300,
19.3627


 41.2335, 40.9300,
19.3627


342.3415,
350.0280, 260.9329

 28.6901, 28.2644,
11.7532


 76.3107, 76.5776,
43.1909

 18.9896, 18.5251,
6.4554


 99.5752, 100.3284,
60.2467

 11.7667, 11.3276,
3.0507


 127.1440,
128.5431, 81.2883

 6.6561, 6.2876,
1.1206

 159.3826,
161.6060, 106.7343

 3.2924, 3.0208,
0.0000

196.6563,
199.9015, 137.0033

 1.3102, 1.1426,
0.0000

239.3304,

 0.1908, 0.0140,

243.8141, 172.5136

0.0000

287.7704,
293.7281, 213.6840

■ 0.0000, 0.0000,
0.0000

■ 41.2335, 40.9300,
19.3627

■ 41.2335, 40.9300,
19.3627

■ 38.8467, 37.6635,
13.9216

■ 43.9739, 44.4959,
26.1797

■ 36.7903, 34.6794,
9.7560

■ 47.0832, 48.3654,
34.4584

■ 35.0424, 31.9677,
6.7561

■ 50.5795, 52.5501,
44.2802

■ 33.5764, 29.5145,
4.7915

■ 54.4785, 57.0589,
55.7201

■ 32.3531, 27.3011,
3.6650

■ 58.7950, 61.9004,
68.8478

■ 32.1586, 26.9428,
3.5055

■ 63.5431, 67.0827,
83.7292

■ 68.7359, 72.6137,
100.4264

■ 71.8756, 77.4966,
105.7778

■ 74.2522, 82.2499,
106.5701

Harmonies

Analogous

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



47.0564, 40.9300, 24.0701



41.2335, 40.9300, 19.3627



35.3344, 40.9300, 19.9845

Triad

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



41.2335, 40.9300, 19.3627



28.9470, 40.9300, 55.9689



48.2275, 40.9300, 70.2314

Complementary

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



41.2335, 40.9300, 19.3627



27.2418, 28.0287, 61.7318

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.



42.7036, 40.9300, 83.8619



41.2335, 40.9300, 19.3627



31.7499, 40.9300, 74.2748

Square

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



41.2335, 40.9300, 19.3627



28.6406, 40.9300, 38.3350



36.6615, 40.9300, 85.5073



51.3631, 40.9300, 51.4376

Rectangle

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



41.2335, 40.9300, 19.3627



32.1318, 40.9300, 23.3826



36.6615, 40.9300, 85.5073



46.5637, 40.9300, 75.7559

Sweetspot

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



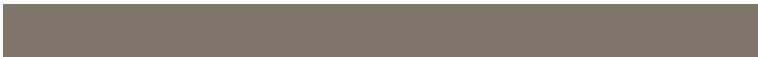
41.2345, 40.9320, 19.3635



85.3961, 89.0510, 79.9128



35.6172, 25.4020, 30.7330



17.9858, 18.7202, 16.2534



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.



41.2345, 40.9320, 19.3635



63.4702, 61.4658, 22.4564



47.3934, 56.5398, 22.0515



11.7589, 12.3068, 11.8351



20.1153, 16.9636, 2.2141



1.1110, 1.0216, 0.1386

Inverse Universe

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



27.2418, 28.0287, 61.7318



37.9168, 37.9347, 99.9314



23.1458, 18.3105, 60.0719



10.9676, 11.5756, 14.2266



8.8649, 6.7538, 36.7926



0.5312, 0.4961, 1.9227

Previews

White Background



This preview shows how the XYZ color 41.2335, 40.9300, 19.3627 looks on a white background.

Color Contrast Check

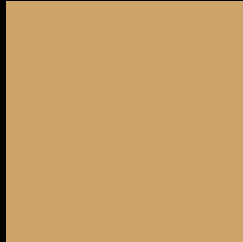
Large Text (above 18pt) WCAG AA × Fail

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 41.2335, 40.9300, 19.3627 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 41.2335, 40.9300, 19.3627

Background



This preview shows how black text looks on a background with the XYZ color 41.2335, 40.9300, 19.3627.

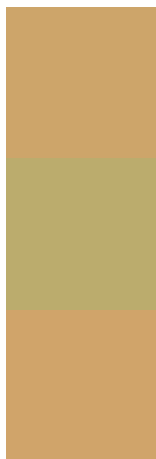


This preview shows how white text looks on a background with the XYZ color 41.2335, 40.9300,

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

41.2335, 40.9300, 19.3627

Protanopia

38.0064, 41.1740, 20.4122

Deuteranopia

41.8894, 41.0014, 19.3419



Tritanopia

46.0824, 40.8274, 42.9878

Trichromacy



Original Color

41.2335, 40.9300, 19.3627

Protanomaly

39.1429, 40.9280, 20.0242

Deuteranomaly

41.6091, 40.8569, 19.3288

Tritanomaly

44.0536, 40.7722, 32.7421

Monochromacy



Original Color

41.2335, 40.9300, 19.3627

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.7975, 40.1791, 33.3143

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2335, 40.9300, 19.3627 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(205, 165, 106)` looks like.

```
.text, #text, p{  
    color:rgb(205, 165, 106)  
}
```

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(205, 165, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 165, 106) }
```

Border

The CSS property to change the border of an element to XYZ 41.2335, 40.9300, 19.3627 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(205, 165, 106) }
```


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

```
.border{ border-color:rgb(205, 165, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 165, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(205, 165, 106); -webkit-box-shadow:4px 4px 4px 4px rgb(205, 165, 106); box-shadow:4px 4px 4px 4px rgb(205, 165, 106) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2335, 40.9300, 19.3627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 165, 106) }
```

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

```
.background{ background-color: rgb(205,  
165, 106) }
```

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