

Converting Colors

XYZ(47.3582, 46.2026, 20.0790)

Have a look what the booklet for
XYZ(47.3582, 46.2026, 20.0790)
contains.

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Color

**XYZ(47.3639, 46.2999,
20.0761)**

Conversions

Conversions Part 1

Format	Color
Hex	DDAD6A
RGB	221, 173, 106
RGB Percent	87%, 68%, 42%
CMY	0.1333, 0.3215, 0.5843
CMYK	0.00, 0.22, 0.52, 0.13
HSL	35°, 63%, 64%
HSV	35°, 52%, 87%
XYZ	47.3639, 46.2999, 20.0761
YIQ	179.7140, 50.1150, -10.6610

Conversions

Conversions Part 2

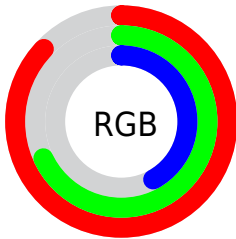
Format	Color
RYB	188, 221, 106
Decimal	14527850
CIELab	73.74, 9.60, 40.89
CIELCh	74, 42.001, 76.792
Yxy	46.2999, 0.4164, 0.4071
Android (android.graphics.Color)	4292717930 (0xFFDDAD6A)
YUV	179.7140, -36.3410, 36.2078
Hunter-Lab	68.0440, 5.1727, 30.1376

Details

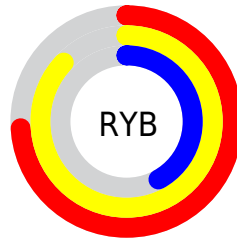
The XYZ color **47.3639, 46.2999, 20.0761** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **30.5501, 31.3946, 72.8560**, and the grayscale version is **43.3999, 45.6601, 49.7238**.

A 20% lighter version of the original color is **75.1550, 79.2154, 43.6768**, and **22.6554, 21.7468, 6.7449** is the 20% darker color. If you saturate the color by 10%, you get **44.6517, 42.4838, 14.2142**, and if you desaturate by 10%, it is **50.4966, 50.4832, 27.5401**.

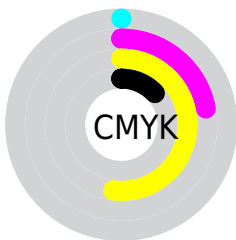
Distribution



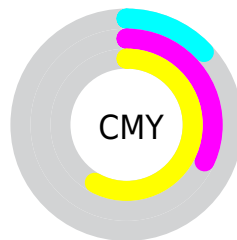
- Red (87%)
- Green (68%)
- Blue (42%)



- Red (74%)
- Yellow (87%)
- Blue (42%)



- Cyan (0%)
- Magenta (22%)
- Yellow (52%)
- Black (13%)



- Cyan (13%)
- Magenta (32%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.3639, 46.2999, 20.0761 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 47.3639, 46.2999, 20.0761 by changing the saturation by 10% instead.

47.3639, 46.2999,
20.0761

47.3639, 46.2999,
20.0761

366.8899,
372.0130, 264.9446

33.5326, 32.4825,
12.2657

85.4720, 84.6676,
44.4054

22.6959, 21.7303,
6.8002

110.4795,
109.9868, 61.7614

14.4886, 13.6589,
3.2609

139.9431,
139.9087, 83.1364

8.5452, 7.8838,
1.2294

174.2281,
174.8178, 108.9488

4.5005, 4.0207,
0.0028

213.6999,
215.0983, 139.6174

1.9890, 1.6851,
0.0000

258.7240,

0.6278, 0.4140,

261.1348, 175.5605

0.0000

309.6655,
313.3116, 217.1967

■ 0.0000, 0.0000,
0.0000

■ 47.3639, 46.2999,
20.0761

■ 47.3639, 46.2999,
20.0761

■ 44.6517, 42.4838,
14.2142

■ 50.4966, 50.4832,
27.5401

■ 42.3309, 39.0139,
9.8284

■ 54.0697, 55.0399,
36.7135

■ 40.3734, 35.8769,
6.7780

■ 58.1053, 59.9846,
47.6976

■ 38.7447, 33.0545,
4.8934

■ 62.6232, 65.3287,
60.5850

■ 37.6382, 31.0111,
4.0020

■ 67.6419, 71.0830,
75.4617

■ 73.1786, 77.2579,
92.4086

■ 78.3180, 83.4906,
106.5952

■ 81.0661, 88.9869,
107.5113

■ 83.6287, 94.1121,
108.3655

Harmonies

Analogous

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



54.5689, 46.2999, 26.0189



47.3639, 46.2999, 20.0761



39.9937, 46.2999, 20.4381

Triad

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



47.3639, 46.2999, 20.0761



31.6599, 46.2999, 63.2283



55.3041, 46.2999, 84.0684

Complementary

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



47.3639, 46.2999, 20.0761



30.5501, 31.3946, 72.8560

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.



48.2795, 46.2999, 100.8165



47.3639, 46.2999, 20.0761



34.9037, 46.2999, 86.6482

Square

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



47.3639, 46.2999, 20.0761



31.4739, 46.2999, 41.6023



40.8119, 46.2999, 101.8753



59.4900, 46.2999, 60.3868

Rectangle

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



47.3639, 46.2999, 20.0761



35.9673, 46.2999, 24.1646



40.8119, 46.2999, 101.8753



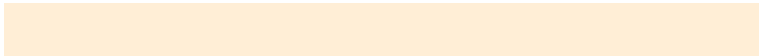
53.1627, 46.2999, 90.9550

Sweetspot

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



47.3650, 46.3021, 20.0770



83.9696, 87.2582, 76.1692



40.9597, 28.0753, 34.6393



17.6959, 18.3489, 15.5135



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.



47.3650, 46.3021, 20.0770



61.5944, 58.5239, 19.3347



55.9953, 66.9494, 23.6075



13.6831, 14.3056, 13.7657



21.9790, 18.2435, 2.3629



1.5083, 1.3507, 0.1812

Inverse Universe

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



30.5501, 31.3946, 72.8560



36.0455, 35.9086, 99.6390



25.1017, 19.0841, 70.7670



12.7830, 13.5057, 16.5853



9.9228, 7.7151, 40.7046



0.7267, 0.6675, 2.6650

Previews

White Background



This preview shows how the XYZ color 47.3639, 46.2999, 20.0761 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 47.3639, 46.2999, 20.0761 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 47.3639, 46.2999, 20.0761

Background



This preview shows how black text looks on a background with the XYZ color 47.3639, 46.2999, 20.0761.



This preview shows how white text looks on a background with the XYZ color 47.3639, 46.2999,

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

47.3639, 46.2999, 20.0761

Protanopia

42.7770, 46.5658, 21.2015

Deuteranopia

47.3639, 46.2999, 20.0761



Tritanopia

52.8898, 46.0561, 47.6971

Trichromacy



Original Color

47.3639, 46.2999, 20.0761

Protanomaly

44.2805, 46.4447, 20.8183

Deuteranomaly

47.3639, 46.2999, 20.0761

Tritanomaly

50.4560, 45.8794, 35.4744

Monochromacy



Original Color

47.3639, 46.2999, 20.0761

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

43.9776, 45.3463, 36.5718

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3639, 46.2999, 20.0761 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, 173, 106)` looks like.

```
.text, #text, p{  
    color:rgb(221, 173, 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(221, 173, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 173, 106) }
```

Border

The CSS property to change the border of an element to XYZ 47.3639, 46.2999, 20.0761 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, 173, 106) }
```


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

```
.border{ border-color:rgb(221, 173, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 173, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 173, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 173, 106);  
box-shadow:4px 4px 4px 4px rgb(221, 173,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3639, 46.2999, 20.0761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 173, 106) }
```

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

```
.background{ background-color: rgb(221,  
173, 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](#).

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