

Converting Colors

XYZ(50.2129, 47.1686, 40.3855)

Have a look what the booklet for
XYZ(50.2129, 47.1686, 40.3855)
contains.

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Color

**XYZ(50.0990, 46.9837,
40.1465)**

Conversions

Conversions Part 1

Format	Color
Hex	DAACA1
RGB	218, 172, 161
RGB Percent	85%, 67%, 63%
CMY	0.1451, 0.3255, 0.3686
CMYK	0.00, 0.21, 0.26, 0.15
HSL	12°, 44%, 74%
HSV	12°, 26%, 85%
XYZ	50.0990, 46.9837, 40.1465
YIQ	184.5000, 30.9470, 6.3310

Conversions

Conversions Part 2

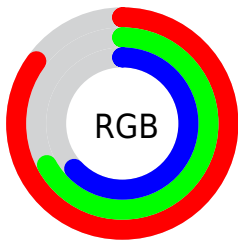
Format	Color
R _Y B	218, 175, 161
Decimal	14331041
CIE Lab	74.18, 15.19, 12.07
CIE LCh	74, 19.399, 38.465
Yxy	46.9837, 0.3651, 0.3424
Android (android.graphics.Color)	4292521121 (0xFFDAACA1)
YUV	184.5000, -11.5855, 29.3795
Hunter-Lab	68.5447, 10.5117, 13.2552

Details

The XYZ color **50.0990, 46.9837, 40.1465** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **49.6651, 57.2630, 74.7651**, and the grayscale version is **45.8878, 48.2775, 52.5742**.

A 20% lighter version of the original color is **81.1038, 81.1560, 76.3558**, and **24.3771, 22.2185, 17.4718** is the 20% darker color. If you saturate the color by 10%, you get **45.2125, 40.0236, 29.8457**, and if you desaturate by 10%, it is **55.7664, 54.9686, 52.3623**.

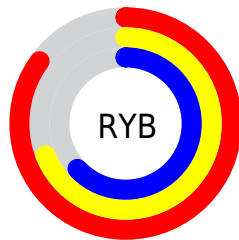
Distribution



Red (85%)

Green (67%)

Blue (63%)



Red (85%)

Yellow (69%)

Blue (63%)

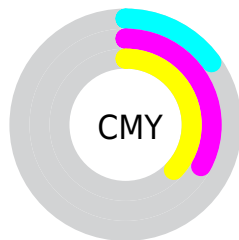


Cyan (0%)

Magenta (21%)

Yellow (26%)

Black (15%)



Cyan (15%)


Magenta (33%)


Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.0990, 46.9837, 40.1465 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 50.0990, 46.9837, 40.1465 by changing the saturation by 10% instead.


 50.0990, 46.9837,
40.1465


 50.0990, 46.9837,
40.1465


377.4986,
374.7495, 362.3111

 35.7102, 33.0228,
27.3381

 89.5125, 85.6893,
76.6261

 24.3795, 22.1439,
17.5927


 115.2679,
111.2027, 101.1344

 15.7416, 13.9627,
10.4915

145.5428,
141.3358, 130.3797

 9.4312, 8.0947,
5.6162

180.7027,
176.4729, 164.7806

 5.0828, 4.1556,
2.5482

221.1129,
216.9984, 204.7557

 2.3312, 1.7610,
0.8655

267.1386,

 0.8106, 0.4627,

263.2968, 250.7234

0.0000

319.1454,
315.7523, 303.1024

■ 0.0000, 0.0000,
0.0000

■ 50.0990, 46.9837,
40.1465

■ 50.0990, 46.9837,
40.1465

■ 45.2125, 40.0236,
29.8457

■ 55.7664, 54.9686,
52.3623

■ 41.0686, 34.0403,
21.3595

■ 62.2434, 64.0109,
66.5805

■ 37.6309, 28.9915,
14.5829

■ 69.5618, 74.1499,
82.8867

■ 34.8590, 24.8294,
9.3988

■ 77.7508, 85.4206,
101.3609

■ 32.7075, 21.5016,
5.6753

■ 82.7235, 93.6455,
108.3231

■ 31.1255, 18.9503,
3.2591

■ 30.0523, 17.1093,
1.9597

■ 29.7446, 16.5676,
1.6301

Harmonies

Analogous

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



51.6018, 46.9837, 48.3898



50.0990, 46.9837, 40.1465



47.1561, 46.9837, 35.3325

Triad

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



50.0990, 46.9837, 40.1465



38.7214, 46.9837, 44.4455



45.6481, 46.9837, 72.5309

Complementary

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



50.0990, 46.9837, 40.1465



49.6651, 57.2630, 74.7651

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.



42.2470, 46.9837, 71.1166



50.0990, 46.9837, 40.1465



38.3644, 46.9837, 54.0283

Square

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



50.0990, 46.9837, 40.1465



40.6253, 46.9837, 37.5812



39.6233, 46.9837, 64.0170



48.9461, 46.9837, 67.6628

Rectangle

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



50.0990, 46.9837, 40.1465



44.8359, 46.9837, 34.3036



39.6233, 46.9837, 64.0170



44.4778, 46.9837, 72.7858

Sweetspot

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



50.1003, 46.9859, 40.1475



86.9092, 88.6981, 90.8344



52.9886, 44.9277, 65.2641



18.2932, 18.5545, 18.7616



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.



50.1003, 46.9859, 40.1475



67.7484, 61.7464, 49.3959



55.9895, 58.7644, 42.1106



13.2585, 13.4564, 13.6241



17.8793, 10.0442, 0.9964



1.2184, 0.7709, 0.0846

Inverse Universe

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



49.6651, 57.2630, 74.7651



67.0264, 78.6107, 106.2485



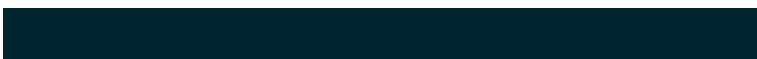
43.4835, 44.8999, 72.7046



13.2201, 14.3800, 16.7310



16.9485, 21.7665, 43.0465



1.1539, 1.5220, 2.8074

Previews

White Background



This preview shows how the XYZ color 50.0990, 46.9837, 40.1465 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 50.0990, 46.9837, 40.1465 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

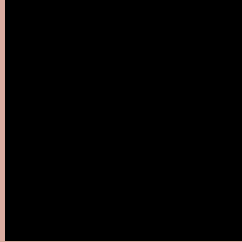
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.0990, 46.9837, 40.1465

Background



This preview shows how black text looks on a background with the XYZ color 50.0990, 46.9837, 40.1465.



This preview shows how white text looks on a background with the XYZ color 50.0990, 46.9837,

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

50.0990, 46.9837, 40.1465

Protanopia

44.8461, 47.1562, 42.8148

Deuteranopia

47.8829, 46.9986, 39.8056



Tritanopia

52.1467, 46.9690, 50.5735

Trichromacy



Original Color

50.0990, 46.9837, 40.1465

Protanomaly

46.4407, 46.8005, 41.7077

Deuteranomaly

48.8265, 47.1951, 39.7938

Tritanomaly

51.2281, 46.8655, 46.3903

Monochromacy



Original Color

50.0990, 46.9837, 40.1465

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

47.1837, 47.6474, 47.7843

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0990, 46.9837, 40.1465 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(218, 172, 161)` looks like.

```
.text, #text, p{  
    color:rgb(218, 172, 161)  
}
```

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(218, 172, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 172, 161) }
```

Border

The CSS property to change the border of an element to XYZ 50.0990, 46.9837, 40.1465 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(218, 172, 161) }
```


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

```
.border{ border-color:rgb(218, 172, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 172, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 172, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 172, 161);  
box-shadow:4px 4px 4px 4px rgb(218, 172,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0990, 46.9837, 40.1465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 172, 161) }
```

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

```
.background{ background-color: rgb(218,  
172, 161) }
```

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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