

Converting Colors

XYZ(49.9440, 49.0411, 35.6877)

Have a look what the booklet for
XYZ(49.9440, 49.0411, 35.6877)
contains.

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Color

**XYZ(49.9440, 49.0411,
35.6877)**

Conversions

Conversions Part 1

Format	Color
Hex	D8B396
RGB	216, 179, 150
RGB Percent	85%, 70%, 59%
CMY	0.1529, 0.2980, 0.4118
CMYK	0.00, 0.17, 0.31, 0.15
HSL	26°, 46%, 72%
HSV	26°, 31%, 85%
XYZ	49.9440, 49.0411, 35.6877
YIQ	186.7570, 31.3610, -1.1750

Conversions

Conversions Part 2

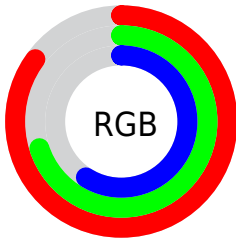
Format	Color
R_{YB}	216, 202, 150
Decimal	14201750
CIE _{Lab}	75.48, 9.18, 19.82
CIE _{LCh}	75, 21.846, 65.153
Yxy	49.0411, 0.3709, 0.3641
Android (android.graphics.Color)	4292391830 (0xFFD8B396)
YUV	186.7570, -18.1212, 25.6461
Hunter-Lab	70.0294, 4.7525, 18.8057

Details

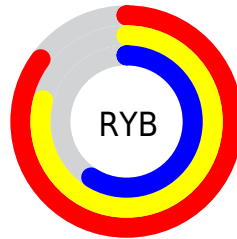
The XYZ color **49.9440, 49.0411, 35.6877** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **42.7422, 46.9811, 71.7814**, and the grayscale version is **47.1847, 49.6419, 54.0601**.

A 20% lighter version of the original color is **81.8474, 85.0363, 69.2266**, and **24.2102, 23.2961, 15.0250** is the 20% darker color. If you saturate the color by 10%, you get **46.0417, 43.7680, 26.5823**, and if you desaturate by 10%, it is **54.3826, 54.8731, 46.5547**.

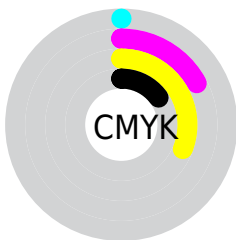
Distribution



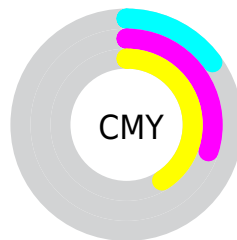
- Red (85%)
- Green (70%)
- Blue (59%)



- Red (85%)
- Yellow (79%)
- Blue (59%)



- Cyan (0%)
- Magenta (17%)
- Yellow (31%)
- Black (15%)





- Cyan (15%)
- Magenta (30%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.9440, 49.0411, 35.6877 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 49.9440, 49.0411, 35.6877 by changing the saturation by 10% instead.


 49.9440, 49.0411,
35.6877


 49.9440, 49.0411,
35.6877


376.9025,
382.9041, 342.5895

 35.5865, 34.6521,
23.9053


 89.2842, 88.7525,
69.7134

 24.2837, 23.3950,
15.0518


 114.9977,
114.8437, 92.7937

 15.6700, 14.8854,
8.7088


145.2271,
145.6043, 120.4772

 9.3803, 8.7390,
4.4575

180.3380,
181.4189, 153.1823

 5.0492, 4.5714,
1.8795

220.6956,
222.6718, 191.3275

 2.3112, 1.9980,
0.4797

266.6654,

 0.8004, 0.6063,

269.7473, 235.3314

0.0000

318.6125,
323.0300, 285.6126

■ 0.0000, 0.0000,
0.0000

■ 49.9440, 49.0411,
35.6877

■ 49.9440, 49.0411,
35.6877

■ 46.0417, 43.7680,
26.5823

■ 54.3826, 54.8731,
46.5547

■ 42.6488, 39.0292,
19.1408

■ 59.3752, 61.2744,
59.2678

■ 39.7415, 34.8078,
13.2603

■ 64.9433, 68.2633,
73.9096

■ 37.2924, 31.0832,
8.8254

■ 71.1062, 75.8554,
90.5570

■ 35.2705, 27.8333,
5.7040

■ 77.3948, 83.8707,
106.7173

■ 33.6400, 25.0332,
3.7396

■ 81.0699, 91.2209,
107.9423

■ 32.4043, 22.7697,
2.6871

■ 82.1290, 93.3390,
108.2953

Harmonies

Analogous

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



53.2379, 49.0411, 41.6141



49.9440, 49.0411, 35.6877



45.9198, 49.0411, 34.2071

Triad

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



49.9440, 49.0411, 35.6877



39.3138, 49.0411, 55.4150



51.2166, 49.0411, 73.6711

Complementary

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



49.9440, 49.0411, 35.6877



42.7422, 46.9811, 71.7814

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.



47.3114, 49.0411, 78.6848



49.9440, 49.0411, 35.6877



40.5602, 49.0411, 67.2184

Square

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



49.9440, 49.0411, 35.6877



39.9293, 49.0411, 44.6060



43.4318, 49.0411, 76.1685



54.0018, 49.0411, 63.2742

Rectangle

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



49.9440, 49.0411, 35.6877



43.3961, 49.0411, 35.7259



43.4318, 49.0411, 76.1685



49.9832, 49.0411, 76.1052

Sweetspot

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



49.9453, 49.0434, 35.6887



87.6051, 90.6741, 89.2657



48.2382, 40.0172, 52.4206



18.5076, 19.0996, 18.4745



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.



49.9453, 49.0434, 35.6887



68.7893, 66.1151, 42.6925



57.2678, 63.6884, 38.1295



12.8678, 13.3099, 13.0516



19.2836, 13.6844, 1.6250



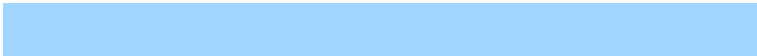
1.2447, 0.9887, 0.1252

Inverse Universe

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



42.7422, 46.9811, 71.7814



56.6070, 62.6198, 103.7111



36.5946, 34.6860, 69.7322



12.3142, 13.1519, 15.8271



11.4981, 11.2580, 40.0202



0.7753, 0.8427, 2.4411

Previews

White Background



This preview shows how the XYZ color 49.9440, 49.0411, 35.6877 looks on a white background.

Color Contrast Check

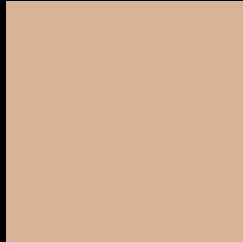
Large Text (above 18pt) WCAG AA × Fail

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 49.9440, 49.0411, 35.6877 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

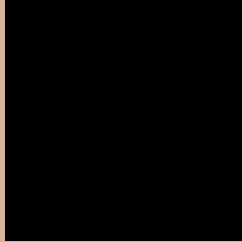
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.9440, 49.0411, 35.6877

Background



This preview shows how black text looks on a background with the XYZ color 49.9440, 49.0411, 35.6877.



This preview shows how white text looks on a background with the XYZ color 49.9440, 49.0411,

35.6877.

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

49.9440, 49.0411, 35.6877

Protanopia

46.3346, 49.2880, 37.2084

Deuteranopia

49.9440, 49.0411, 35.6877



Tritanopia

53.6209, 49.0756, 53.6601

Trichromacy



Original Color

49.9440, 49.0411, 35.6877

Protanomaly

47.5028, 48.9713, 36.6545

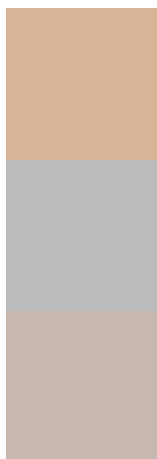
Deuteranomaly

49.9440, 49.0411, 35.6877

Tritanomaly

52.3787, 49.1667, 46.7739

Monochromacy



Original Color

49.9440, 49.0411, 35.6877

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

48.0692, 49.3427, 47.0350

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9440, 49.0411, 35.6877 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(216, 179, 150)` looks like.

```
.text, #text, p{  
    color:rgb(216, 179, 150)  
}
```

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(216, 179, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 179, 150) }
```

Border

The CSS property to change the border of an element to XYZ 49.9440, 49.0411, 35.6877 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(216, 179, 150) }
```


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

```
.border{ border-color:rgb(216, 179, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 179, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 179, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 179, 150);  
box-shadow:4px 4px 4px 4px rgb(216, 179,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9440, 49.0411, 35.6877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 179, 150) }
```

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

```
.background{ background-color: rgb(216,  
179, 150) }
```

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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