

Converting Colors

XYZ(49.1988, 50.0619, 43.0367)

Have a look what the booklet for
XYZ(49.1988, 50.0619, 43.0367)
contains.

XYZ(49.2003, 50.0133, 43.1368)	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(49.2003, 50.0133,
43.1368)**

Conversions

Conversions Part 1

Format	Color
Hex	CDB8A6
RGB	205, 184, 166
RGB Percent	80%, 72%, 65%
CMY	0.1961, 0.2784, 0.3490
CMYK	0.00, 0.10, 0.19, 0.20
HSL	28°, 28%, 73%
HSV	28°, 19%, 80%
XYZ	49.2003, 50.0133, 43.1368
YIQ	188.2270, 18.2940, -1.1460

Conversions

Conversions Part 2

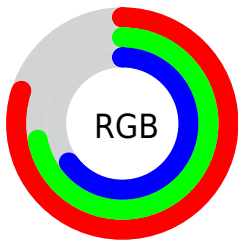
Format	Color
R_{YB}	205, 199, 166
Decimal	13482150
CIE _{Lab}	76.08, 4.58, 11.86
CIE _{LCh}	76, 12.717, 68.898
Yxy	50.0133, 0.3456, 0.3513
Android (android.graphics.Color)	4291672230 (0xFFCDB8A6)
YUV	188.2270, -10.9579, 14.7099
Hunter-Lab	70.7201, 0.4232, 13.3392

Details

The XYZ color **49.2003, 50.0133, 43.1368** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **44.5154, 48.0544, 64.6873**, and the grayscale version is **47.9832, 50.4820, 54.9749**.

A 20% lighter version of the original color is **85.4512, 88.8006, 81.0431**, and **23.7312, 23.9315, 19.2881** is the 20% darker color. If you saturate the color by 10%, you get **45.2642, 44.9142, 33.2748**, and if you desaturate by 10%, it is **53.6178, 55.5946, 54.6393**.

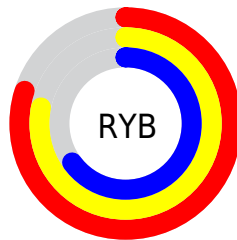
Distribution



Red (80%)

Green (72%)

Blue (65%)



Red (80%)

Yellow (78%)

Blue (65%)

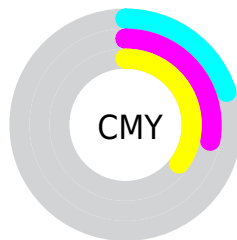


Cyan (0%)

Magenta (10%)

Yellow (19%)

Black (20%)



Cyan (20%)


Magenta (28%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2003, 50.0133, 43.1368 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 49.2003, 50.0133, 43.1368 by changing the saturation by 10% instead.


 49.2003, 50.0133,
43.1368


 49.2003, 50.0133,
43.1368

374.0342,
386.7180, 375.1118

 34.9936, 35.4240,
29.6603


 88.1878, 90.1946,
81.2058

 23.8244, 23.9896,
19.3310


 113.6993,
116.5553, 106.6354

 15.3275, 15.3259,
11.7305


143.7098,
147.6086, 136.8864

 9.1373, 9.0485,
6.4401

178.5846,
183.7390, 172.3774

 4.8887, 4.7728,
3.0414

218.6891,
225.3307, 213.5269

 2.2162, 2.1146,
1.1158

264.3886,

 0.7513, 0.6728,

272.7681, 260.7534

0.0000

316.0485,
326.4358, 314.4755

■ 0.0000, 0.0000,
0.0000

■ 49.2003, 50.0133,
43.1368

■ 49.2003, 50.0133,
43.1368

■ 45.2642, 44.9142,
33.2748

■ 53.6178, 55.5946,
54.6393

■ 41.7872, 40.2767,
24.9742

■ 58.5298, 61.6644,
67.8501

■ 38.7511, 36.0886,
18.1540

■ 63.9539, 68.2377,
82.8371

■ 36.1349, 32.3344,
12.7244

■ 69.9055, 75.3265,
99.6634

■ 33.9153, 28.9976,
8.5860

■ 74.1484, 82.0419,
106.5354

■ 32.0664, 26.0603,
5.6257

■ 77.4822, 88.7095,
107.6466

■ 30.5584, 23.5025,
3.7105

■ 78.9870, 91.7192,
108.1483

■ 29.3448, 21.2972,
2.6216

■ 29.2366, 21.0983,
2.5314

Harmonies

Analogous

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



51.1818, 50.0133, 46.6450



49.2003, 50.0133, 43.1368



46.8329, 50.0133, 42.5233

Triad

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



49.2003, 50.0133, 43.1368



43.1631, 50.0133, 56.5053



50.4636, 50.0133, 65.2888

Complementary

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



49.2003, 50.0133, 43.1368



44.5154, 48.0544, 64.6873

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.



48.2464, 50.0133, 68.4351



49.2003, 50.0133, 43.1368



44.0679, 50.0133, 63.0937

Square

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



49.2003, 50.0133, 43.1368



43.3993, 50.0133, 49.8791



45.9099, 50.0133, 67.6000



51.9278, 50.0133, 59.3046

Rectangle

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



49.2003, 50.0133, 43.1368



45.3620, 50.0133, 43.7838



45.9099, 50.0133, 67.6000



49.7787, 50.0133, 66.7351

Sweetspot

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



49.2016, 50.0155, 43.1379



90.1120, 93.9102, 95.5817



47.8315, 43.8594, 53.2120



19.1766, 19.9626, 20.1617



0.0000, 0.0000, 0.0000



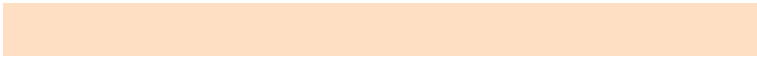
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.2016, 50.0155, 43.1379



77.7451, 78.2643, 63.4426



53.4280, 58.4683, 44.5466



11.6320, 12.0529, 11.7928



18.2937, 13.3204, 1.6069



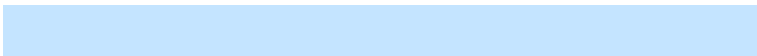
1.0194, 0.8384, 0.1081

Inverse Universe

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



44.5154, 48.0544, 64.6873



68.6288, 74.4482, 105.3606



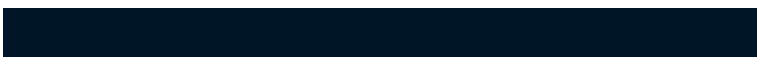
40.7394, 40.5023, 63.4286



11.0936, 11.8277, 14.2686



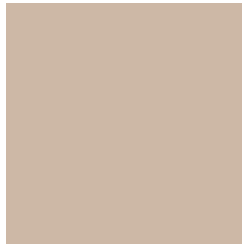
10.4518, 9.9276, 37.3216



0.6146, 0.6630, 1.9505

Previews

White Background



This preview shows how the XYZ color 49.2003, 50.0133, 43.1368 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 49.2003, 50.0133, 43.1368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

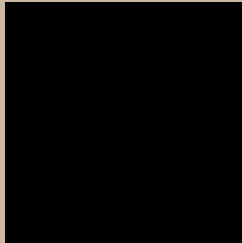
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.2003, 50.0133, 43.1368

Background



This preview shows how black text looks on a background with the XYZ color 49.2003, 50.0133, 43.1368.



This preview shows how white text looks on a background with the XYZ color 49.2003, 50.0133,

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

49.2003, 50.0133, 43.1368

Protanopia

47.6032, 50.1036, 44.2078

Deuteranopia

50.9395, 49.9839, 43.5223



Tritanopia

52.3534, 50.0929, 57.9485

Trichromacy



Original Color

49.2003, 50.0133, 43.1368

Protanomaly

48.0871, 50.0499, 43.6854

Deuteranomaly

50.2813, 49.9476, 43.5499

Tritanomaly

51.1880, 49.9183, 52.2847

Monochromacy



Original Color

49.2003, 50.0133, 43.1368

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

48.2567, 50.3053, 50.3465

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2003, 50.0133, 43.1368 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, 184, 166) looks like.

```
.text, #text, p{  
    color:rgb(205, 184, 166)  
}
```

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, 184, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 184, 166) }
```

Border

The CSS property to change the border of an element to XYZ 49.2003, 50.0133, 43.1368 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, 184, 166) }
```


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

```
.border{ border-color:rgb(205, 184, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 184, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 184, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 184, 166);  
box-shadow:4px 4px 4px 4px rgb(205, 184,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2003, 50.0133, 43.1368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 184, 166) }
```

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

```
.background{ background-color: rgb(205,  
184, 166) }
```

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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