

Converting Colors

XYZ(49.4263, 50.1768, 48.1417)

Have a look what the booklet for
XYZ(49.4263, 50.1768, 48.1417)
contains.

XYZ(49.5426, 50.3891, 48.1892)	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(49.5426, 50.3891,
48.1892)**

Conversions

Conversions Part 1

Format	Color
Hex	CAB9B0
RGB	202, 185, 176
RGB Percent	79%, 73%, 69%
CMY	0.2078, 0.2745, 0.3098
CMYK	0.00, 0.08, 0.13, 0.21
HSL	21°, 20%, 74%
HSV	21°, 13%, 79%
XYZ	49.5426, 50.3891, 48.1892
YIQ	189.0570, 13.0210, 0.8050

Conversions

Conversions Part 2

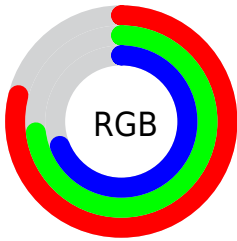
Format	Color
R_{YB}	202, 190, 176
Decimal	13285808
CIE _{Lab}	76.31, 4.52, 6.74
CIE _{LCh}	76, 8.110, 56.164
Yxy	50.3891, 0.3345, 0.3402
Android (android.graphics.Color)	4291475888 (0xFFCAB9B0)
YUV	189.0570, -6.4371, 11.3510
Hunter-Lab	70.9853, 0.3559, 9.4400

Details

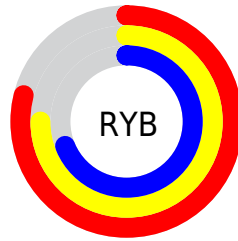
The XYZ color **49.5426, 50.3891, 48.1892** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.6350, 51.6333, 63.3333**, and the grayscale version is **48.4340, 50.9564, 55.4915**.

A 20% lighter version of the original color is **87.2608, 89.9968, 89.1159**, and **24.1021, 24.2537, 22.4799** is the 20% darker color. If you saturate the color by 10%, you get **45.0558, 44.3793, 37.5557**, and if you desaturate by 10%, it is **54.5862, 57.0355, 60.4768**.

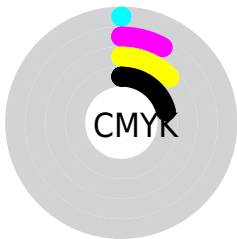
Distribution



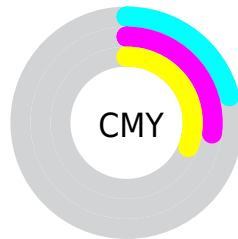
- Red (79%)
- Green (73%)
- Blue (69%)



- Red (79%)
- Yellow (75%)
- Blue (69%)



- Cyan (0%)
- Magenta (8%)
- Yellow (13%)
- Black (21%)





- Cyan (21%)
- Magenta (27%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5426, 50.3891, 48.1892 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 49.5426, 50.3891, 48.1892 by changing the saturation by 10% instead.


 49.5426, 50.3891,
48.1892

 49.5426, 50.3891,
48.1892


375.3561,
388.1856, 396.0719

 35.2664, 35.7227,
33.6157


 88.6927, 90.7511,
88.8545

 24.0356, 24.2201,
22.3235


114.2973,
117.2155, 115.7834

 15.4849, 15.4970,
13.8942


144.4087,
148.3813, 147.6678

 9.2490, 9.1689,
7.9092

179.3924,
184.6329, 184.9263

 4.9623, 4.8515,
3.9500

219.6136,
226.3548, 227.9774

 2.2597, 2.1604,
1.5979

265.4377,

 0.7739, 0.6983,

273.9312, 277.2397

0.2894

317.2301,
327.7467, 333.1317

■ 0.0000, 0.0000,
0.0000

■ 49.5426, 50.3891,
48.1892

■ 49.5426, 50.3891,
48.1892

■ 45.0558, 44.3793,
37.5557

■ 54.5862, 57.0355,
60.4768

■ 41.1017, 38.9802,
28.5019

■ 60.2015, 64.3302,
74.4823

■ 37.6602, 34.1741,
20.9523

■ 66.4077, 72.2928,
90.2698

■ 34.7085, 29.9395,
14.8240

■ 72.9308, 80.8235,
106.3644

■ 32.2219, 26.2538,
10.0260

■ 76.9137, 88.7893,
107.6920

■ 30.1732, 23.0925,
6.4565

■ 78.1674, 91.2967,
108.1099

■ 28.5316, 20.4293,
3.9987

■ 27.2619, 18.2344,
2.5126

■ 26.5446, 16.9311,
1.8690

Harmonies

Analogous

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



50.5702, 50.3891, 51.2494



49.5426, 50.3891, 48.1892



48.0895, 50.3891, 46.9150

Triad

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



49.5426, 50.3891, 48.1892



45.0303, 50.3891, 54.3059



49.1963, 50.3891, 62.7425

Complementary

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



49.5426, 50.3891, 48.1892



47.6350, 51.6333, 63.3333

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.



47.6977, 50.3891, 63.6663



49.5426, 50.3891, 48.1892



45.3126, 50.3891, 58.6471

Square

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



49.5426, 50.3891, 48.1892



45.5017, 50.3891, 50.3262



46.2811, 50.3891, 62.1309



50.3673, 50.3891, 59.6691

Rectangle

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



49.5426, 50.3891, 48.1892



47.0827, 50.3891, 47.1973



46.2811, 50.3891, 62.1309



48.7132, 50.3891, 63.3215

Sweetspot

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



49.5440, 50.3913, 48.1903



91.3605, 95.1796, 99.7825



49.5460, 47.4731, 57.1998



19.4102, 20.1827, 21.0020



0.0000, 0.0000, 0.0000



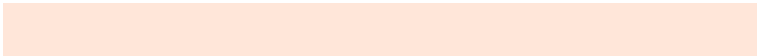
20.3446, 21.4041, 23.3091

Same Dimension

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



49.5440, 50.3913, 48.1903



82.0275, 82.8481, 77.1432



52.3122, 55.9277, 49.1130



11.5247, 11.8384, 11.7571



17.1564, 11.0458, 1.2278



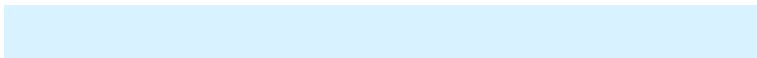
0.9557, 0.7110, 0.0869

Inverse Universe

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



47.6350, 51.6333, 63.3333



78.2700, 85.2914, 106.9454



44.9545, 46.2724, 62.4398



11.2035, 12.0475, 14.3053



12.2597, 13.5434, 37.9242



0.7016, 0.8370, 1.9795

Previews

White Background



This preview shows how the XYZ color 49.5426, 50.3891, 48.1892 looks on a white background.

Color Contrast Check

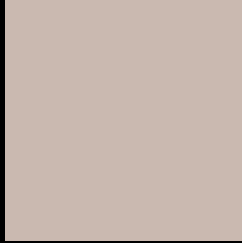
Large Text (above 18pt) WCAG AA × Fail

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 49.5426, 50.3891, 48.1892 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

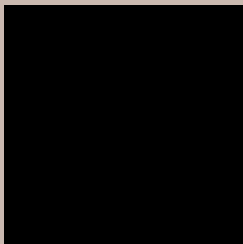
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

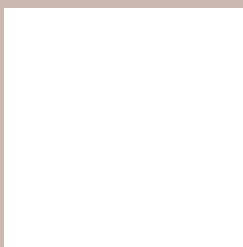
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.5426, 50.3891, 48.1892

Background



This preview shows how black text looks on a background with the XYZ color 49.5426, 50.3891, 48.1892.



This preview shows how white text looks on a background with the XYZ color 49.5426, 50.3891,

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

49.5426, 50.3891, 48.1892

Protanopia

48.1672, 50.6101, 48.8250

Deuteranopia

51.5277, 50.4791, 48.6226



Tritanopia

51.8686, 50.4206, 59.2229

Trichromacy



Original Color

49.5426, 50.3891, 48.1892

Protanomaly

48.7321, 50.5853, 48.7905

Deuteranomaly

50.8817, 50.4512, 48.6513

Tritanomaly

51.0206, 50.3785, 55.1791

Monochromacy



Original Color

49.5426, 50.3891, 48.1892

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.8831, 50.8965, 52.5950

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5426, 50.3891, 48.1892 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(202, 185, 176)` looks like.

```
.text, #text, p{  
    color:rgb(202, 185, 176)  
}
```

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(202, 185, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 185, 176) }
```

Border

The CSS property to change the border of an element to XYZ 49.5426, 50.3891, 48.1892 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(202, 185, 176) }
```


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

```
.border{ border-color:rgb(202, 185, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 185, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 185, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 185, 176);  
box-shadow:4px 4px 4px 4px rgb(202, 185,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5426, 50.3891, 48.1892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 185, 176) }
```

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

```
.background{ background-color: rgb(202,  
185, 176) }
```

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