

Converting Colors

XYZ(48.8483, 50.4400, 31.5713)

Have a look what the booklet for
XYZ(48.8483, 50.4400, 31.5713)
contains.

XYZ(48.8731, 50.4109, 31.5805)	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(48.8731, 50.4109,
31.5805)**

Conversions

Conversions Part 1

Format	Color
Hex	D3B98B
RGB	211, 185, 139
RGB Percent	83%, 73%, 55%
CMY	0.1725, 0.2745, 0.4549
CMYK	0.00, 0.12, 0.34, 0.17
HSL	38°, 45%, 69%
HSV	38°, 34%, 83%
XYZ	48.8731, 50.4109, 31.5805
YIQ	187.5300, 30.2620, -8.7940

Conversions

Conversions Part 2

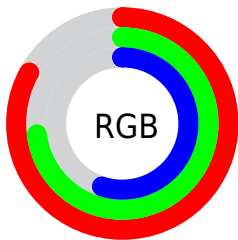
Format	Color
RYB	180, 211, 139
Decimal	13875595
CIELab	76.32, 2.64, 26.79
CIELCh	76, 26.915, 84.376
Yxy	50.4109, 0.3735, 0.3852
Android (android.graphics.Color)	4292065675 (0xFFD3B98B)
YUV	187.5300, -23.9253, 20.5832
Hunter-Lab	71.0006, -1.3811, 23.3287

Details

The XYZ color **48.8731, 50.4109, 31.5805** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **35.8601, 37.1011, 66.8992**, and the grayscale version is **47.6538, 50.1355, 54.5975**.

A 20% lighter version of the original color is **82.3209, 88.0208, 63.1030**, and **23.5303, 24.1757, 12.6587** is the 20% darker color. If you saturate the color by 10%, you get **45.9269, 46.7521, 23.7124**, and if you desaturate by 10%, it is **52.2048, 54.3642, 41.0462**.

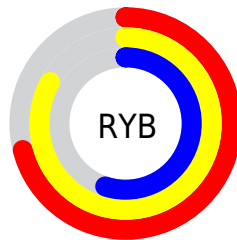
Distribution



Red (83%)

Green (73%)

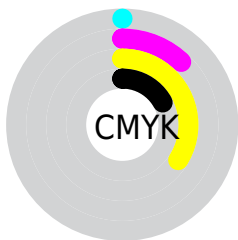
Blue (55%)



Red (71%)

Yellow (83%)

Blue (55%)

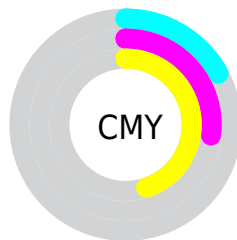


Cyan (0%)

Magenta (12%)

Yellow (34%)

Black (17%)



Cyan (17%)


Magenta (27%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.8731, 50.4109, 31.5805 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 48.8731, 50.4109, 31.5805 by changing the saturation by 10% instead.


 48.8731, 50.4109,
31.5805


 48.8731, 50.4109,
31.5805


372.7678,
388.2706, 323.6375


 34.7329, 35.7400,
20.7791


 87.7048, 90.7834,
63.2431

 23.6228, 24.2335,
12.7730


 113.1271,
117.2538, 84.9414

 15.1773, 15.5069,
7.1435


 143.0407,
148.4261, 111.1091

 9.0310, 9.1759,
3.4722

177.8112,
184.6847, 142.1648

 4.8187, 4.8561,
1.3405

217.8038,
226.4141, 178.5269

 2.1749, 2.1631,
0.0947

263.3838,

 0.7295, 0.6997,

273.9986, 220.6140

0.0000

314.9167,
327.8227, 268.8447

■ 0.0000, 0.0000,
0.0000

■ 48.8731, 50.4109,
31.5805

■ 48.8731, 50.4109,
31.5805

■ 45.9269, 46.7521,
23.7124

■ 52.2048, 54.3642,
41.0462

■ 43.3439, 43.3713,
17.3479

■ 55.9354, 58.6139,
52.1902

■ 41.1051, 40.2606,
12.3878

■ 60.0820, 63.1707,
65.0911

■ 39.1879, 37.4086,
8.7197

■ 64.6597, 68.0427,
79.8220

■ 37.5661, 34.8027,
6.2136

■ 69.6826, 73.2374,
96.4515

■ 36.2085, 32.4279,
4.7117

■ 73.4097, 78.0604,
105.8058

■ 35.5028, 31.1266,
4.1368

■ 75.5851, 82.4111,
106.5309

■ 77.8543, 86.9497,
107.2873

■ 80.2186, 91.6783,
108.0754

Harmonies

Analogous

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



53.8029, 50.4109, 35.2241



48.8731, 50.4109, 31.5805



44.0124, 50.4109, 33.2329

Triad

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



48.8731, 50.4109, 31.5805



39.5929, 50.4109, 67.2015



56.2593, 50.4109, 72.7565

Complementary

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



48.8731, 50.4109, 31.5805



35.8601, 37.1011, 66.8992

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.



52.0398, 50.4109, 84.3572



48.8731, 50.4109, 31.5805



42.4714, 50.4109, 80.7754

Square

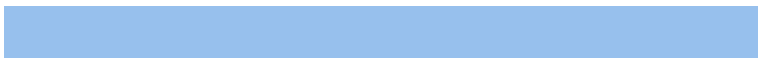
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



48.8731, 50.4109, 31.5805



38.8752, 50.4109, 52.2053



46.9676, 50.4109, 87.5232



58.2554, 50.4109, 57.6629

Rectangle

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



48.8731, 50.4109, 31.5805



41.4312, 50.4109, 37.2956



46.9676, 50.4109, 87.5232



55.0402, 50.4109, 77.2928

Sweetspot

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



48.8744, 50.4132, 31.5815



88.3458, 92.7310, 87.7379



42.9249, 35.0459, 40.2911



18.7194, 19.6380, 18.1916



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.



48.8744, 50.4132, 31.5815



71.6595, 73.2328, 39.4030



52.1497, 60.9257, 33.4380



12.4295, 13.0497, 12.4758



21.5262, 18.9854, 2.5300



1.2774, 1.2092, 0.1661

Inverse Universe

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



35.8601, 37.1011, 66.8992



48.7360, 49.7975, 101.6510



33.3126, 29.5210, 65.5703



11.5081, 12.1064, 14.9739



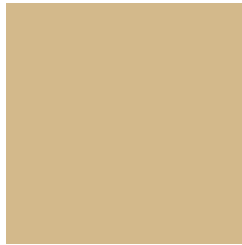
8.7520, 6.1506, 37.9184



0.5638, 0.4928, 2.1450

Previews

White Background



This preview shows how the XYZ color 48.8731, 50.4109, 31.5805 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 48.8731, 50.4109, 31.5805 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

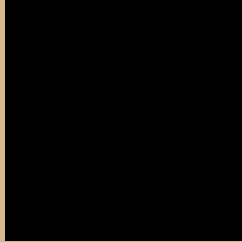
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.8731, 50.4109, 31.5805

Background



This preview shows how black text looks on a background with the XYZ color 48.8731, 50.4109, 31.5805.



This preview shows how white text looks on a background with the XYZ color 48.8731, 50.4109,

31.5805.

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

48.8731, 50.4109, 31.5805

Protanopia

47.0740, 50.4164, 32.0612

Deuteranopia

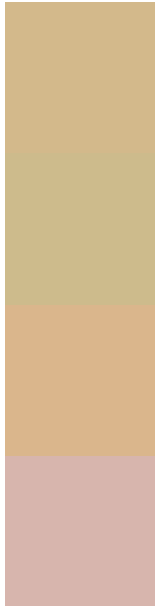
51.3817, 50.4708, 31.8447



Tritanopia

54.0501, 50.3983, 56.7483

Trichromacy



Original Color

48.8731, 50.4109, 31.5805

Protanomaly

47.6808, 50.4132, 32.0286

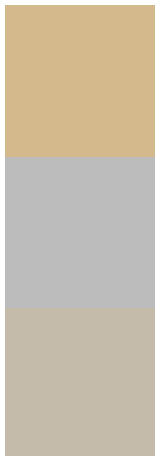
Deuteranomaly

50.3750, 50.2548, 31.8560

Tritanomaly

52.0910, 50.5120, 46.5395

Monochromacy



Original Color

48.8731, 50.4109, 31.5805

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.7910, 50.1787, 45.1968

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8731, 50.4109, 31.5805 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(211, 185, 139)` looks like.

```
.text, #text, p{  
    color:rgb(211, 185, 139)  
}
```

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(211, 185, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 185, 139) }
```

Border

The CSS property to change the border of an element to XYZ 48.8731, 50.4109, 31.5805 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(211, 185, 139) }
```


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

```
.border{ border-color:rgb(211, 185, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 185, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 185, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 185, 139);  
box-shadow:4px 4px 4px 4px rgb(211, 185,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8731, 50.4109, 31.5805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 185, 139) }
```

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

```
.background{ background-color: rgb(211,  
185, 139) }
```

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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