

Converting Colors

XYZ(49.2190, 51.3345, 25.2132)

Have a look what the booklet for
XYZ(49.2190, 51.3345, 25.2132)
contains.

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Color

**XYZ(49.1848, 51.3438,
25.0873)**

Conversions

Conversions Part 1

Format	Color
Hex	D7BB78
RGB	215, 187, 120
RGB Percent	84%, 73%, 47%
CMY	0.1569, 0.2666, 0.5294
CMYK	0.00, 0.13, 0.44, 0.16
HSL	42°, 54%, 66%
HSV	42°, 44%, 84%
XYZ	49.1848, 51.3438, 25.0873
YIQ	187.7340, 38.1950, -14.9010

Conversions

Conversions Part 2

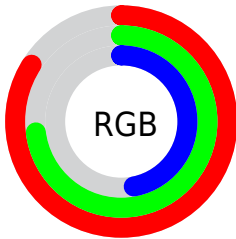
Format	Color
RYB	160, 215, 120
Decimal	14138232
CIELab	76.89, 1.05, 37.54
CIELCh	77, 37.554, 88.402
Yxy	51.3438, 0.3915, 0.4087
Android (android.graphics.Color)	4292328312 (0xFFD7BB78)
YUV	187.7340, -33.3929, 23.9123
Hunter-Lab	71.6546, -2.8704, 29.3999

Details

The XYZ color **49.1848, 51.3438, 25.0873** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **30.6010, 30.0780, 68.4826**, and the grayscale version is **47.8184, 50.3087, 54.7861**.

A 20% lighter version of the original color is **80.8334, 88.3783, 52.3335**, and **23.7311, 24.7615, 9.3230** is the 20% darker color. If you saturate the color by 10%, you get **46.7095, 48.2521, 18.5317**, and if you desaturate by 10%, it is **52.0149, 54.6761, 33.2076**.

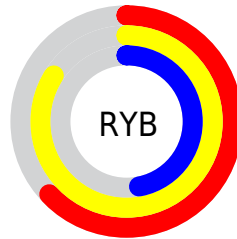
Distribution



Red (84%)

Green (73%)

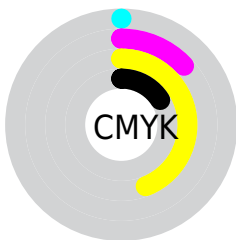
Blue (47%)



Red (63%)

Yellow (84%)

Blue (47%)

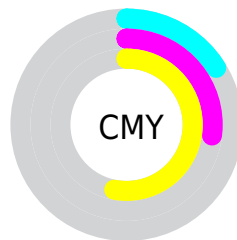


Cyan (0%)

Magenta (13%)

Yellow (44%)

Black (16%)



Cyan (16%)


Magenta (27%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.1848, 51.3438, 25.0873 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 49.1848, 51.3438, 25.0873 by changing the saturation by 10% instead.


 49.1848, 51.3438,
25.0873


 49.1848, 51.3438,
25.0873


373.9743,
391.8980, 291.7340

 34.9812, 36.4823,
15.9225


 88.1649, 92.1628,
52.7647

 23.8149, 24.8069,
9.3156


 113.6722,
118.8890, 72.1144

 15.3203, 15.9333,
4.8480


 143.6781,
150.3390, 95.6961

 9.1323, 9.4769,
2.1012

178.5480,
186.8970, 123.9283

 4.8854, 5.0536,
0.6165

218.6472,
228.9475, 157.2297

 2.2142, 2.2787,
0.0000

264.3411,

 0.7502, 0.7624,

276.8750, 196.0188

0.0000

315.9950,
331.0637, 240.7140

■ 0.0000, 0.0000,
0.0000

■ 49.1848, 51.3438,
25.0873

■ 49.1848, 51.3438,
25.0873

■ 46.7095, 48.2521,
18.5317

■ 52.0149, 54.6761,
33.2076

■ 44.5646, 45.3844,
13.4328

■ 55.2148, 58.2505,
42.9846

■ 42.7283, 42.7325,
9.6740

■ 58.8030, 62.0775,
54.5066

■ 41.1741, 40.2847,
7.1191

■ 62.7957, 66.1646,
67.8551

■ 39.8697, 38.0267,
5.6027

■ 67.2079, 70.5191,
83.1060

■ 39.1947, 36.7879,
5.0350

■ 72.0539, 75.1477,
100.3313

■ 74.7497, 79.0179,
105.9200

■ 76.5588, 82.6362,
106.5230

■ 78.4329, 86.3843,
107.1477

Harmonies

Analogous

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



56.3552, 51.3438, 28.6526



49.1848, 51.3438, 25.0873



42.5562, 51.3438, 27.9558

Triad

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



49.1848, 51.3438, 25.0873



37.6908, 51.3438, 76.7746



61.4561, 51.3438, 79.1463

Complementary

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



49.1848, 51.3438, 25.0873



30.6010, 30.0780, 68.4826

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.



55.6281, 51.3438, 98.1247



49.1848, 51.3438, 25.0873



41.9535, 51.3438, 96.5371

Square

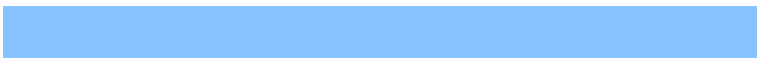
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



49.1848, 51.3438, 25.0873



36.3209, 51.3438, 54.8148



48.4187, 51.3438, 105.1516



63.8546, 51.3438, 57.0089

Rectangle

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



49.1848, 51.3438, 25.0873



39.2352, 51.3438, 33.6488



48.4187, 51.3438, 105.1516



59.8069, 51.3438, 86.2901

Sweetspot

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



49.1861, 51.3462, 25.0883



87.1272, 91.9708, 82.1619



40.1260, 30.0345, 31.9078



18.3831, 19.4079, 16.7147



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.



49.1861, 51.3462, 25.0883



68.9658, 71.3019, 27.8494



50.4556, 61.6926, 27.0185



13.1494, 13.8731, 13.1454



23.5391, 22.1955, 3.0435



1.4900, 1.4791, 0.2070

Inverse Universe

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



30.6010, 30.0780, 68.4826



38.2897, 36.2318, 99.5831



29.6301, 23.8288, 67.3275



12.0379, 12.5991, 15.7349



8.4919, 5.2455, 39.0181



0.5836, 0.4591, 2.3772

Previews

White Background



This preview shows how the XYZ color 49.1848, 51.3438, 25.0873 looks on a white background.

Color Contrast Check

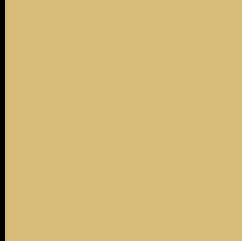
Large Text (above 18pt) WCAG AA × Fail

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 49.1848, 51.3438, 25.0873 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 49.1848, 51.3438, 25.0873

Background



This preview shows how black text looks on a background with the XYZ color 49.1848, 51.3438, 25.0873.



This preview shows how white text looks on a background with the XYZ color 49.1848, 51.3438,

25.0873.

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

49.1848, 51.3438, 25.0873

Protanopia

47.5968, 51.4728, 25.5158

Deuteranopia

52.2882, 51.0862, 25.1939



Tritanopia

55.5590, 51.1762, 56.8189

Trichromacy



Original Color

49.1848, 51.3438, 25.0873

Protanomaly

48.2271, 51.4773, 25.4834

Deuteranomaly

51.1251, 51.0947, 25.2568

Tritanomaly

52.6202, 50.8610, 43.1202

Monochromacy



Original Color

49.1848, 51.3438, 25.0873

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.8828, 50.6165, 41.8966

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1848, 51.3438, 25.0873 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(215, 187, 120)` looks like.

```
.text, #text, p{  
    color:rgb(215, 187, 120)  
}
```

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(215, 187, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 187, 120) }
```

Border

The CSS property to change the border of an element to XYZ 49.1848, 51.3438, 25.0873 is called "border". The border property can be set on classes, ids or directly on the HTML element.

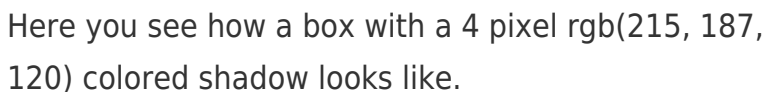
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(215, 187, 120) }
```


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

```
.border{ border-color:rgb(215, 187, 120) }
```

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



Here you see how a box with a 4 pixel `rgb(215, 187, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 187, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 187, 120);  
box-shadow:4px 4px 4px 4px rgb(215, 187,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1848, 51.3438, 25.0873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 187, 120) }
```

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

```
.background{ background-color: rgb(215,  
187, 120) }
```

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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