

Converting Colors

XYZ(49.5547, 49.8547, 30.6718)

Have a look what the booklet for
XYZ(49.5547, 49.8547, 30.6718)
contains.

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Color

**XYZ(49.5622, 49.8610,
30.6788)**

Conversions

Conversions Part 1

Format	Color
Hex	D8B689
RGB	216, 182, 137
RGB Percent	85%, 71%, 54%
CMY	0.1529, 0.2863, 0.4627
CMYK	0.00, 0.16, 0.37, 0.15
HSL	34°, 50%, 69%
HSV	34°, 37%, 85%
XYZ	49.5622, 49.8610, 30.6788
YIQ	187.0360, 34.7090, -6.7870

Conversions

Conversions Part 2

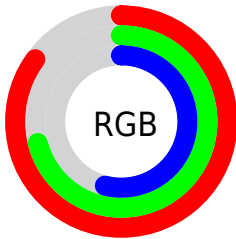
Format	Color
RYB	197, 216, 137
Decimal	14202505
CIELab	75.98, 5.96, 27.48
CIELCh	76, 28.116, 77.754
Yxy	49.8610, 0.3809, 0.3832
Android (android.graphics.Color)	4292392585 (0xFFD8B689)
YUV	187.0360, -24.6677, 25.4014
Hunter-Lab	70.6123, 1.7161, 23.6690

Details

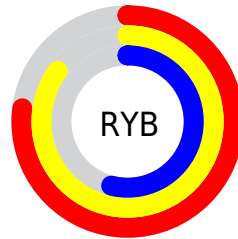
The XYZ color **49.5622, 49.8610, 30.6788** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **37.2736, 39.4006, 70.6063**, and the grayscale version is **47.3766, 49.8438, 54.2799**.

A 20% lighter version of the original color is **81.2185, 86.1707, 61.6421**, and **24.0678, 23.8622, 12.3542** is the 20% darker color. If you saturate the color by 10%, you get **46.3247, 45.6223, 22.7055**, and if you desaturate by 10%, it is **53.2388, 54.4811, 40.3298**.

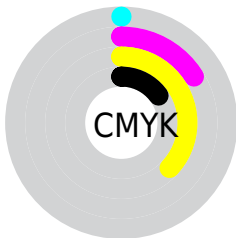
Distribution



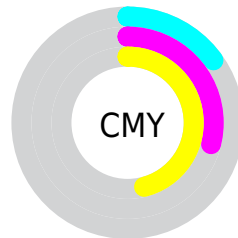
- Red (85%)
- Green (71%)
- Blue (54%)



- Red (77%)
- Yellow (85%)
- Blue (54%)



- Cyan (0%)
- Magenta (16%)
- Yellow (37%)
- Black (15%)





- Cyan (15%)
- Magenta (29%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5622, 49.8610, 30.6788 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 49.5622, 49.8610, 30.6788 by changing the saturation by 10% instead.

 49.5622, 49.8610,
30.6788


 49.5622, 49.8610,
30.6788


375.4317,
386.1221, 319.3611


 35.2820, 35.3030,
20.0980

 88.7216, 89.9689,
61.8077

 24.0477, 23.8963,
12.2815

 114.3315,
116.2875, 83.1928

 15.4940, 15.2567,
6.8108


 144.4487,
147.2952, 109.0164

 9.2554, 8.9998,
3.2674

179.4386,
183.3762, 139.6971

 4.9666, 4.7410,
1.2328

219.6665,
224.9150, 175.6533

 2.2622, 2.0961,
0.0057

265.4977,

 0.7752, 0.6625,

272.2960, 217.3037

0.0000

317.2977,
325.9036, 265.0668

0.0000, 0.0000,
0.0000

49.5622, 49.8610,
30.6788

49.5622, 49.8610,
30.6788

46.3247, 45.6223,
22.7055

53.2388, 54.4811,
40.3298

43.5015, 41.7459,
16.3080

57.3701, 59.4873,
51.7462

41.0708, 38.2207,
11.3781

61.9755, 64.8928,
65.0131

39.0066, 35.0322,
7.7921

67.0722, 70.7079,
80.2091

37.2790, 32.1643,
5.4060

72.6761, 76.9428,
97.4084

■ 35.8506, 29.5974,
4.0359

■ 76.8778, 82.8368,
106.5450

■ 35.4082, 28.7776,
3.6884

■ 79.6509, 88.3830,
107.4693

■ 82.1289, 93.3389,
108.2953

Harmonies

Analogous

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



54.4981, 49.8610, 35.5976



49.5622, 49.8610, 30.6788



44.3829, 49.8610, 31.1723

Triad

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



49.5622, 49.8610, 30.6788



38.4232, 49.8610, 63.5797



55.2536, 49.8610, 76.1088

Complementary

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



49.5622, 49.8610, 30.6788



37.2736, 39.4006, 70.6063

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.



50.5328, 49.8610, 86.6942



49.5622, 49.8610, 30.6788



40.9310, 49.8610, 78.5933

Square

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



49.5622, 49.8610, 30.6788



38.2056, 49.8610, 48.3931



45.2849, 49.8610, 87.6792



57.9428, 49.8610, 60.6478

Rectangle

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



49.5622, 49.8610, 30.6788



41.4824, 49.8610, 34.5110



45.2849, 49.8610, 87.6792



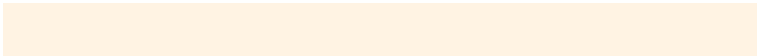
53.8364, 49.8610, 80.4694

Sweetspot

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



49.5635, 49.8633, 30.6798



87.1278, 90.8624, 85.5829



44.6378, 35.4399, 43.1331



18.4529, 19.2181, 17.7542



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.



49.5635, 49.8633, 30.6798



68.4275, 67.7265, 35.3732



55.8590, 64.7274, 33.2171



13.0046, 13.5833, 13.0971



21.0672, 17.2517, 2.2195



1.3522, 1.2035, 0.1610

Inverse Universe

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



37.2736, 39.4006, 70.6063



47.9917, 50.3390, 101.7947



32.5419, 28.6242, 68.7756



12.1777, 12.8788, 15.7815



9.7532, 7.7682, 39.4385



0.6696, 0.6311, 2.4058

Previews

White Background



This preview shows how the XYZ color 49.5622, 49.8610, 30.6788 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 49.5622, 49.8610, 30.6788 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

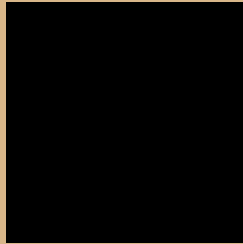
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.5622, 49.8610, 30.6788

Background



This preview shows how black text looks on a background with the XYZ color 49.5622, 49.8610, 30.6788.



This preview shows how white text looks on a background with the XYZ color 49.5622, 49.8610,

30.6788.

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

49.5622, 49.8610, 30.6788

Protanopia

46.5179, 49.8222, 31.5910

Deuteranopia

50.9608, 49.9783, 30.6278



Tritanopia

54.3341, 49.7062, 54.8747

Trichromacy



Original Color

49.5622, 49.8610, 30.6788

Protanomaly

47.3900, 49.6547, 31.1314

Deuteranomaly

50.5544, 50.0695, 30.6668

Tritanomaly

52.3895, 49.8031, 44.8820

Monochromacy



Original Color

49.5622, 49.8610, 30.6788

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.7991, 49.5683, 44.5845

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5622, 49.8610, 30.6788 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, 182, 137)` looks like.

```
.text, #text, p{  
    color:rgb(216, 182, 137)  
}
```

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, 182, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 182, 137) }
```

Border

The CSS property to change the border of an element to XYZ 49.5622, 49.8610, 30.6788 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, 182, 137) }
```


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

```
.border{ border-color:rgb(216, 182, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 182, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 182, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 182, 137);  
box-shadow:4px 4px 4px 4px rgb(216, 182,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5622, 49.8610, 30.6788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 182, 137) }
```

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

```
.background{ background-color: rgb(216,  
182, 137) }
```

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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