

Converting Colors

XYZ(62.1636, 68.9708, 49.0464)

Have a look what the booklet for
XYZ(62.1636, 68.9708, 49.0464)
contains.

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Color

**XYZ(61.9913, 68.7017,
49.0232)**

Conversions

Conversions Part 1

Format	Color
Hex	DBDBAC
RGB	219, 219, 172
RGB Percent	86%, 86%, 67%
CMY	0.1412, 0.1412, 0.3255
CMYK	0.00, 0.00, 0.21, 0.14
HSL	60°, 40%, 77%
HSV	60°, 21%, 86%
XYZ	61.9913, 68.7017, 49.0232
YIQ	213.6420, 15.0870, -14.6170

Conversions

Conversions Part 2

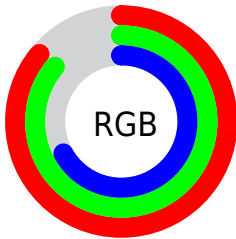
Format	Color
RYB	172, 219, 172
Decimal	14408620
CIELab	86.36, -7.58, 23.19
CIELCh	86, 24.394, 108.100
Yxy	68.7017, 0.3449, 0.3823
Android (android.graphics.Color)	4292598700 (0xFFDBDBAC)
YUV	213.6420, -20.5295, 4.6990
Hunter-Lab	82.8865, -11.5501, 22.9535

Details

The XYZ color **61.9913, 68.7017, 49.0232** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **44.5547, 43.3920, 73.0490**, and the grayscale version is **63.8039, 67.1267, 73.1009**.

A 20% lighter version of the original color is **91.0036, 98.3814, 87.5919**, and **31.9151, 35.7753, 22.6760** is the 20% darker color. If you saturate the color by 10%, you get **60.0589, 67.9310, 38.8435**, and if you desaturate by 10%, it is **64.2739, 69.6172, 61.0314**.

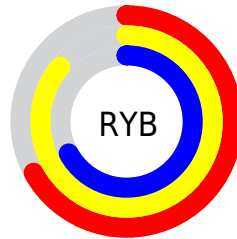
Distribution



Red (86%)

Green (86%)

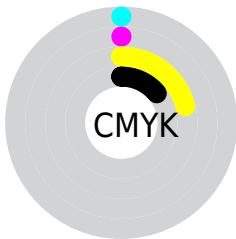
Blue (67%)



Red (67%)

Yellow (86%)

Blue (67%)

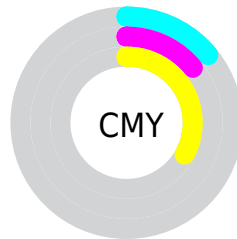


Cyan (0%)

Magenta (0%)

Yellow (21%)

Black (14%)



Cyan (14%)

Magenta (14%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 61.9913, 68.7017, 49.0232 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 61.9913, 68.7017, 49.0232 by changing the saturation by 10% instead.

■ 61.9913, 68.7017,
49.0232

■ 61.9913, 68.7017,
49.0232

421.6174,
455.9782, 399.4587

■ 45.2812, 50.4688,
34.2722

■ 106.8030,
117.3554, 90.1073

■ 31.8812, 35.7860,
22.8237

135.6353,
148.5450, 117.2773

■ 21.4259, 24.2690,
14.2593

169.2391,
184.8223, 149.4242

■ 13.5499, 15.5333,
8.1604

207.9797,
226.5717, 186.9663

■ 7.8879, 9.1945,
4.1085

252.2225,
274.1776, 230.3223

■ 4.0745, 4.8683,
1.6851

302.3328,

■ 1.7444, 2.1702,

328.0244, 279.9107

0.3505

358.6760,
388.4965, 336.1500

■ 0.4838, 0.7037,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 61.9913, 68.7017,
49.0232

■ 61.9913, 68.7017,
49.0232

■ 60.0589, 67.9310,
38.8435

■ 64.2739, 69.6172,
61.0314

■ 58.4545, 67.2891,
30.3987

■ 66.9172, 70.6746,
74.9470

■ 57.1614, 66.7718,
23.5932

■ 69.9379, 71.8829,
90.8495

■ 56.1594, 66.3709,
18.3208

■ 72.5995, 72.9477,
104.8616

■ 55.4260, 66.0775,
14.4625

■ 72.6003, 72.9481,
104.8617

■ 54.9352, 65.8811,
11.8822

■ 72.6011, 72.9485,
104.8617

■ 54.6562, 65.7694,
10.4167

■ 72.6018, 72.9489,
104.8618

■ 54.5405, 65.7230,
9.8112

■ 72.6026, 72.9493,
104.8618

■ 72.6033, 72.9497,
104.8618

Harmonies

Analogous

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



67.5580, 68.7017, 48.3710



61.9913, 68.7017, 49.0232



57.5641, 68.7017, 55.9414

Triad

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



61.9913, 68.7017, 49.0232



58.3290, 68.7017, 100.3505



76.4814, 68.7017, 81.3852

Complementary

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



61.9913, 68.7017, 49.0232



44.5547, 43.3920, 73.0490

Split Complementary

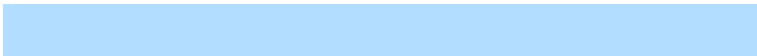
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.6973, 68.7017, 97.4925



61.9913, 68.7017, 49.0232



63.0907, 68.7017, 109.4493

Square

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



61.9913, 68.7017, 49.0232



55.5350, 68.7017, 84.8616



68.7221, 68.7017, 108.3340



76.1450, 68.7017, 65.5751

Rectangle

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



61.9913, 68.7017, 49.0232



55.7558, 68.7017, 63.8203



68.7221, 68.7017, 108.3340



75.8732, 68.7017, 86.9817

Sweetspot

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



61.9931, 68.7048, 49.0247



92.6830, 99.0531, 96.4389



51.4146, 47.5454, 45.4980



19.7853, 21.1804, 20.3647



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.



61.9931, 68.7048, 49.0247



86.1500, 96.4397, 62.0477



55.4157, 65.3140, 48.7168



14.1621, 15.2638, 13.9254



32.3381, 38.9684, 5.8173



2.0951, 2.5246, 0.3769

Inverse Universe

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



44.5547, 43.3920, 73.0490



57.0969, 54.2677, 102.0731



50.1759, 46.2899, 73.3121



12.3389, 12.6173, 16.4372



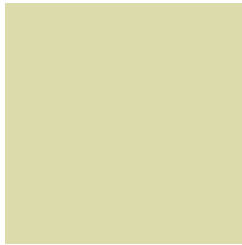
7.5819, 3.0328, 39.9242



0.4912, 0.1965, 2.5865

Previews

White Background



This preview shows how the XYZ color 61.9913, 68.7017, 49.0232 looks on a white background.

Color Contrast Check

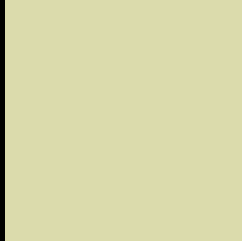
Large Text (above 18pt) WCAG AA × Fail

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 61.9913, 68.7017, 49.0232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

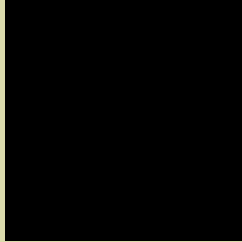
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

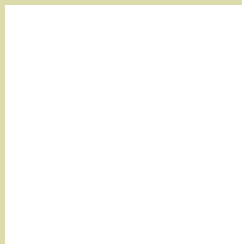
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 61.9913, 68.7017, 49.0232

Background



This preview shows how black text looks on a background with the XYZ color 61.9913, 68.7017, 49.0232.



This preview shows how white text looks on a background with the XYZ color 61.9913, 68.7017,

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

61.9913, 68.7017, 49.0232

Protanopia

64.4447, 68.8370, 47.9205

Deuteranopia

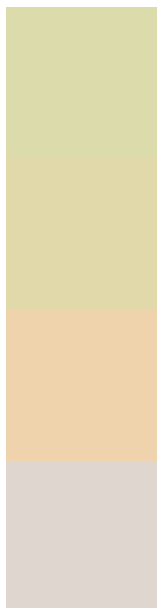
69.7365, 68.1909, 49.5310



Tritanopia

68.6619, 68.3587, 82.9745

Trichromacy



Original Color

61.9913, 68.7017, 49.0232

Protanomaly

63.5276, 68.7347, 48.4469

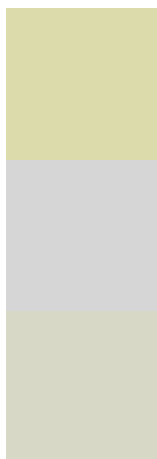
Deuteranomaly

66.4337, 67.9564, 49.1506

Tritanomaly

65.8632, 68.3352, 69.3932

Monochromacy



Original Color

61.9913, 68.7017, 49.0232

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

63.1836, 67.8342, 63.7960

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.9913, 68.7017, 49.0232 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(219, 219, 172)` looks like.

```
.text, #text, p{  
    color:rgb(219, 219, 172)  
}
```

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(219, 219, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 219, 172) }
```

Border

The CSS property to change the border of an element to XYZ 61.9913, 68.7017, 49.0232 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(219, 219, 172) }
```


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

```
.border{ border-color:rgb(219, 219, 172) }
```

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

Here you see how a box with a 4 pixel rgb(219, 219, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 219, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 219, 172);  
box-shadow:4px 4px 4px 4px rgb(219, 219,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 61.9913, 68.7017, 49.0232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 219, 172) }
```

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

```
.background{ background-color: rgb(219,  
219, 172) }
```

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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