

Converting Colors

XYZ(64.3649, 69.3508, 48.8508)

Have a look what the booklet for
XYZ(64.3649, 69.3508, 48.8508)
contains.

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Color

**XYZ(64.5127, 69.6153,
49.0666)**

Conversions

Conversions Part 1

Format	Color
Hex	E4DAAC
RGB	228, 218, 172
RGB Percent	89%, 85%, 67%
CMY	0.1059, 0.1451, 0.3255
CMYK	0.00, 0.04, 0.25, 0.11
HSL	49°, 51%, 78%
HSV	49°, 25%, 89%
XYZ	64.5127, 69.6153, 49.0666
YIQ	215.7460, 20.7260, -12.1860

Conversions

Conversions Part 2

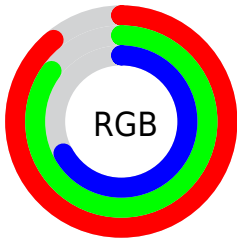
Format	Color
RYB	184, 228, 172
Decimal	14998188
CIELab	86.81, -3.72, 23.92
CIELCh	87, 24.209, 98.851
Yxy	69.6153, 0.3522, 0.3800
Android (android.graphics.Color)	4293188268 (0xFFE4DAAC)
YUV	215.7460, -21.5668, 10.7468
Hunter-Lab	83.4358, -7.9961, 23.5380

Details

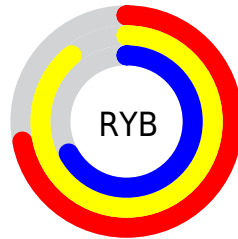
The XYZ color **64.5127, 69.6153, 49.0666** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **47.7446, 47.8269, 80.1143**, and the grayscale version is **65.2311, 68.6282, 74.7361**.

A 20% lighter version of the original color is **91.0036, 98.3814, 87.5919**, and **33.4402, 36.2970, 22.6963** is the 20% darker color. If you saturate the color by 10%, you get **61.4664, 66.7313, 38.1591**, and if you desaturate by 10%, it is **67.9642, 72.7077, 61.9643**.

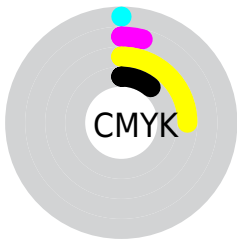
Distribution



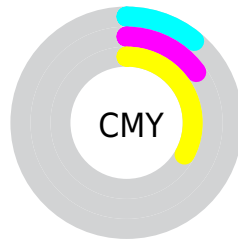
- Red (89%)
- Green (85%)
- Blue (67%)



- Red (72%)
- Yellow (89%)
- Blue (67%)



- Cyan (0%)
- Magenta (4%)
- Yellow (25%)
- Black (11%)



- Cyan (11%)
- Magenta (15%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.5127, 69.6153, 49.0666 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 64.5127, 69.6153, 49.0666 by changing the saturation by 10% instead.


 64.5127, 69.6153,
49.0666

 64.5127, 69.6153,
49.0666


430.6117,
459.1981, 399.6345

 47.3293, 51.2130,
34.3063


 110.4186,
118.6600, 90.1724

 33.5051, 36.3781,
22.8498


139.8718,
150.0711, 117.3550

 22.6747, 24.7264,
14.2784


174.1456,
186.5873, 149.5154

 14.4729, 15.8733,
8.1736

213.6054,
228.5930, 187.0723

 8.5342, 9.4345,
4.1168

258.6166,
276.4725, 230.4441

 4.4933, 5.0257,
1.6897

309.5444,

 1.9848, 2.2623,

330.6103, 280.0493

0.3536

366.7544,
391.3907, 336.3066

■ 0.6254, 0.7537,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.5127, 69.6153,
49.0666

■ 64.5127, 69.6153,
49.0666

■ 61.4664, 66.7313,
38.1591

■ 67.9642, 72.7077,
61.9643

■ 58.8007, 64.0382,
29.1363

■ 71.8336, 76.0066,
76.9416

■ 56.4961, 61.5306,
21.8898

■ 76.1394, 79.5220,
94.0878

■ 54.5296, 59.1987,
16.2981

■ 79.5486, 82.7212,
106.3819

■ 52.8749, 57.0318,
12.2246

■ 80.7224, 85.0688,
106.7731

■ 51.5019, 55.0175,
9.5108

■ 81.9230, 87.4700,
107.1733

■ 50.3735, 53.1407,
7.9631

■ 83.1506, 89.9251,
107.5825

■ 49.8304, 52.1647,
7.4425

■ 84.4053, 92.4346,
108.0008

■ 85.6873, 94.9986,
108.4281

Harmonies

Analogous

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



70.1575, 69.6153, 50.3666



64.5127, 69.6153, 49.0666



59.5951, 69.6153, 54.0936

Triad

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



64.5127, 69.6153, 49.0666



58.0761, 69.6153, 96.9982



76.8053, 69.6153, 87.5659

Complementary

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



64.5127, 69.6153, 49.0666



47.7446, 47.8269, 80.1143

Split Complementary

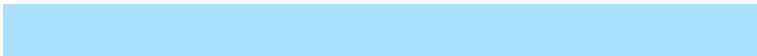
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.2057, 69.6153, 102.6501



64.5127, 69.6153, 49.0666



62.3312, 69.6153, 108.6111

Square

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



64.5127, 69.6153, 49.0666



56.0200, 69.6153, 80.6789



67.8499, 69.6153, 110.8146



77.4713, 69.6153, 71.1204

Rectangle

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



64.5127, 69.6153, 49.0666



57.3135, 69.6153, 60.8424



67.8499, 69.6153, 110.8146



75.8888, 69.6153, 93.0260

Sweetspot

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



64.5145, 69.6184, 49.0681



91.3000, 96.8873, 94.1248



55.2192, 49.3883, 51.0240



19.4755, 20.6818, 19.8878



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.



64.5145, 69.6184, 49.0681



81.2786, 87.9842, 56.4418



61.8447, 72.2067, 49.7084



15.3713, 16.3566, 15.2514



28.8530, 30.2801, 4.3239



2.1896, 2.3525, 0.3387

Inverse Universe

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



47.7446, 47.8269, 80.1143



56.4650, 55.7443, 102.3914



49.9255, 46.0202, 79.6506



13.7898, 14.3010, 18.1779



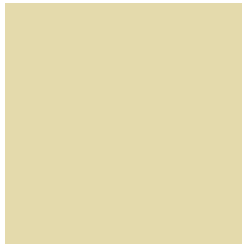
8.5989, 4.2599, 42.7522



0.6963, 0.4366, 3.1795

Previews

White Background



This preview shows how the XYZ color 64.5127, 69.6153, 49.0666 looks on a white background.

Color Contrast Check

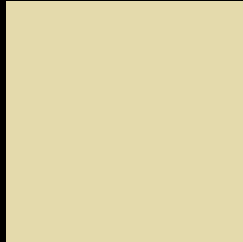
Large Text (above 18pt) WCAG AA × Fail

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 64.5127, 69.6153, 49.0666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

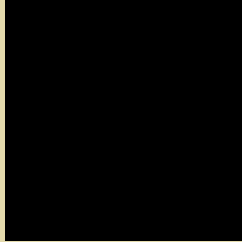
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.5127, 69.6153, 49.0666

Background



This preview shows how black text looks on a background with the XYZ color 64.5127, 69.6153, 49.0666.



This preview shows how white text looks on a background with the XYZ color 64.5127, 69.6153,

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

64.5127, 69.6153, 49.0666

Protanopia

65.2142, 69.5932, 49.0254

Deuteranopia

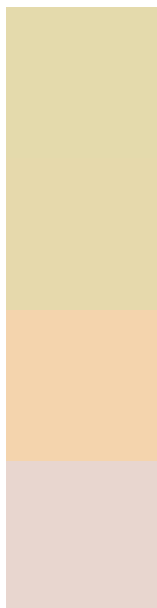
70.9485, 69.5396, 49.7275



Tritanopia

71.4203, 69.7968, 82.3809

Trichromacy



Original Color

64.5127, 69.6153, 49.0666

Protanomaly

64.8924, 69.4273, 49.0103

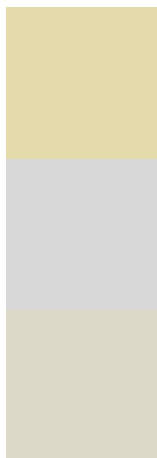
Deuteranomaly

68.3945, 69.3372, 49.3138

Tritanomaly

68.5878, 69.7539, 68.8804

Monochromacy



Original Color

64.5127, 69.6153, 49.0666

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

64.7534, 69.0115, 64.5513

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.5127, 69.6153, 49.0666 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(228, 218, 172)` looks like.

```
.text, #text, p{  
    color:rgb(228, 218, 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(228, 218, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 218, 172) }
```

Border

The CSS property to change the border of an element to XYZ 64.5127, 69.6153, 49.0666 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(228, 218, 172) }
```


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

```
.border{ border-color:rgb(228, 218, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 218, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 218, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 218, 172);  
box-shadow:4px 4px 4px 4px rgb(228, 218,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 64.5127, 69.6153, 49.0666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 218, 172) }
```

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

```
.background{ background-color: rgb(228,  
218, 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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