

Converting Colors

XYZ(64.9984, 69.9805, 64.3779)

Have a look what the booklet for
XYZ(64.9984, 69.9805, 64.3779)
contains.

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Color

**XYZ(64.8537, 69.8466,
64.0964)**

Conversions

Conversions Part 1

Format	Color
Hex	DBDBC7
RGB	219, 219, 199
RGB Percent	86%, 86%, 78%
CMY	0.1412, 0.1412, 0.2196
CMYK	0.00, 0.00, 0.09, 0.14
HSL	60°, 22%, 82%
HSV	60°, 9%, 86%
XYZ	64.8537, 69.8466, 64.0964
YIQ	216.7200, 6.4200, -6.2200

Conversions

Conversions Part 2

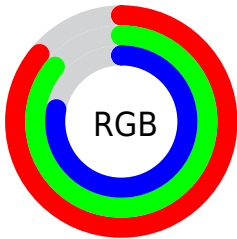
Format	Color
RYB	199, 219, 199
Decimal	14408647
CIELab	86.92, -3.44, 9.83
CIELCh	87, 10.418, 109.294
Yxy	69.8466, 0.3262, 0.3513
Android (android.graphics.Color)	4292598727 (0xFFDBDBC7)
YUV	216.7200, -8.7360, 1.9996
Hunter-Lab	83.5743, -7.7389, 13.0302

Details

The XYZ color **64.8537, 69.8466, 64.0964** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **56.7655, 58.1053, 75.2451**, and the grayscale version is **65.8180, 69.2457, 75.4086**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.6961, 36.4878, 32.0549** is the 20% darker color. If you saturate the color by 10%, you get **62.4910, 68.9037, 51.6539**, and if you desaturate by 10%, it is **67.5862, 70.9421, 78.4693**.

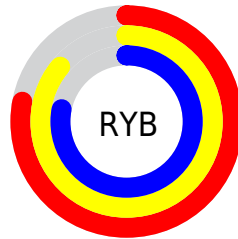
Distribution



Red (86%)

Green (86%)

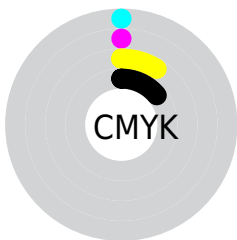
Blue (78%)



Red (78%)

Yellow (86%)

Blue (78%)

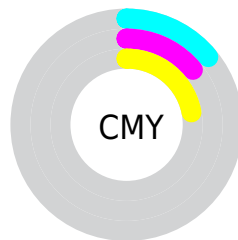


Cyan (0%)

Magenta (0%)

Yellow (9%)

Black (14%)



Cyan (14%)

Magenta (14%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.8537, 69.8466, 64.0964 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 64.8537, 69.8466, 64.0964 by changing the saturation by 10% instead.

■ 64.8537, 69.8466,
64.0964

■ 64.8537, 69.8466,
64.0964

431.8196,
460.0112, 457.7547

■ 47.6067, 51.4015,
46.2821

110.9064,
118.9900, 112.3506

■ 33.7255, 36.5282,
32.1182

140.4428,
150.4570, 143.6275

■ 22.8447, 24.8424,
21.1862

174.8064,
187.0335, 180.2290

■ 14.5989, 15.9597,
13.0676

214.3625,
229.1038, 222.5737

■ 8.6229, 9.4956,
7.3439

259.4765,
277.0523, 271.0800

■ 4.5512, 5.0659,
3.5964

310.5138,

■ 2.0184, 2.2860,

331.2635, 326.1666

1.4066

367.8397,
392.1216, 388.2520

■ 0.6443, 0.7663,
0.1469

■ 0.0000, 0.0000,
0.0000

■ 64.8537, 69.8466,
64.0964

■ 64.8537, 69.8466,
64.0964

■ 62.4910, 68.9037,
51.6539

■ 67.5862, 70.9421,
78.4693

■ 60.4769, 68.0978,
41.0555

■ 70.6974, 72.1867,
94.8452

■ 58.7966, 67.4255,
32.2147

■ 72.6010, 72.9483,
104.8617

■ 57.4320, 66.8795,
25.0366

■ 72.6025, 72.9491,
104.8618

■ 56.3635, 66.4519,
19.4173

■ 72.6040, 72.9498,
104.8618

■ 55.5689, 66.1340,
15.2411

■ 72.6054, 72.9506,
104.8619

■ 55.0235, 65.9156,
12.3766

■ 72.6069, 72.9514,
104.8620

■ 54.6976, 65.7851,
10.6681

■ 72.6084, 72.9521,
104.8620

■ 54.5438, 65.7234,
9.8656

■ 72.6099, 72.9529,
104.8621

Harmonies

Analogous

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



67.2597, 69.8466, 63.6343



64.8537, 69.8466, 64.0964



62.9044, 69.8466, 67.6457

Triad

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



64.8537, 69.8466, 64.0964



63.3833, 69.8466, 86.6637



71.0895, 69.8466, 78.5666

Complementary

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



64.8537, 69.8466, 64.0964



56.7655, 58.1053, 75.2451

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.



69.9961, 69.8466, 85.1254



64.8537, 69.8466, 64.0964



65.5220, 69.8466, 89.9863

Square

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



64.8537, 69.8466, 64.0964



62.0699, 69.8466, 80.5633



67.9445, 69.8466, 89.4068



70.9000, 69.8466, 71.7106

Rectangle

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



64.8537, 69.8466, 64.0964



62.1076, 69.8466, 71.4128



67.9445, 69.8466, 89.4068



70.8588, 69.8466, 80.8860

Sweetspot

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



64.8556, 69.8497, 64.0979



93.8419, 99.5167, 102.5418



59.9478, 60.0321, 62.4616



20.0187, 21.2737, 21.5937



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.



64.8556, 69.8497, 64.0979



90.8559, 98.3221, 86.8263



61.9374, 68.3453, 63.9613



14.1620, 15.2638, 13.9254



32.3340, 38.9663, 5.8171



2.0948, 2.5245, 0.3769

Inverse Universe

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



56.7655, 58.1053, 75.2451



77.1702, 78.4546, 105.6837



59.5062, 59.5182, 75.3734



12.3390, 12.6174, 16.4372



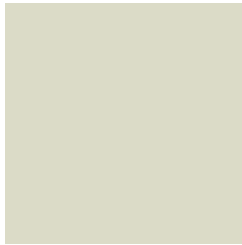
7.5821, 3.0329, 39.9242



0.4913, 0.1965, 2.5865

Previews

White Background



This preview shows how the XYZ color 64.8537, 69.8466, 64.0964 looks on a white background.

Color Contrast Check

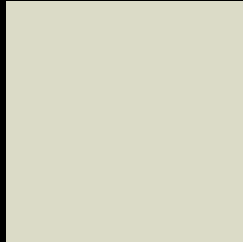
Large Text (above 18pt) WCAG AA × Fail

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 64.8537, 69.8466, 64.0964 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

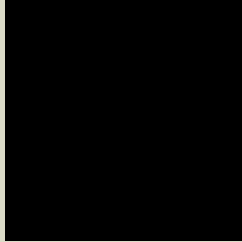
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

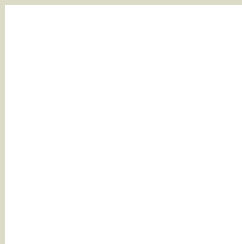
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.8537, 69.8466, 64.0964

Background



This preview shows how black text looks on a background with the XYZ color 64.8537, 69.8466, 64.0964.



This preview shows how white text looks on a background with the XYZ color 64.8537, 69.8466,

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

64.8537, 69.8466, 64.0964

Protanopia

66.3699, 69.8717, 63.4146

Deuteranopia

71.2454, 69.7227, 64.9611



Tritanopia

69.2108, 69.7099, 85.4089

Trichromacy



Original Color

64.8537, 69.8466, 64.0964

Protanomaly

65.6959, 69.9080, 63.4571

Deuteranomaly

68.8116, 69.5915, 64.4493

Tritanomaly

67.4663, 69.7558, 76.9262

Monochromacy



Original Color

64.8537, 69.8466, 64.0964

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

65.6177, 69.7014, 70.9681

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.8537, 69.8466, 64.0964 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, 199)` looks like.

```
.text, #text, p{  
    color:rgb(219, 219, 199)  
}
```

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, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 219, 199) }
```

Border

The CSS property to change the border of an element to XYZ 64.8537, 69.8466, 64.0964 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, 199) }
```


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

```
.border{ border-color:rgb(219, 219, 199) }
```

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, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 219, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 219, 199);  
box-shadow:4px 4px 4px 4px rgb(219, 219,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 64.8537, 69.8466, 64.0964 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, 199) }
```

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

```
.background{ background-color: rgb(219,  
219, 199) }
```

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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