

Converting Colors

XYZ(63.6798, 72.5733, 49.6534)

Have a look what the booklet for
XYZ(63.6798, 72.5733, 49.6534)
contains.

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Color

**XYZ(63.8289, 72.8222,
49.7217)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | DAE3AC |
| RGB | 218, 227, 172 |
| RGB Percent | 85%, 89%, 67% |
| CMY | 0.1451, 0.1098, 0.3255 |
| CMYK | 0.04, 0.00, 0.24, 0.11 |
| HSL | 70°, 50%, 78% |
| HSV | 70°, 24%, 89% |
| XYZ | 63.8289, 72.8222, 49.7217 |
| YIQ | 218.0390, 12.2910, -19.0130 |

Conversions

Conversions Part 2

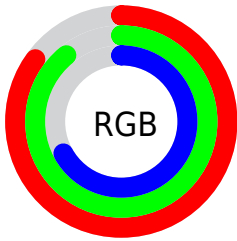
| Format | Color |
|-------------------------------------|--|
| RYB | 172, 227, 181 |
| Decimal | 14345132 |
| CIELab | 88.36, -11.99, 25.92 |
| CIELCh | 88, 28.559, 114.814 |
| Yxy | 72.8222, 0.3425, 0.3907 |
| Android (android.graphics.Color) | 4292535212 (0xFFDAE3AC) |
| YUV | 218.0390, -22.6972, -0.0342 |
| Hunter-Lab | 85.3359, -15.8248, 25.1893 |

Details

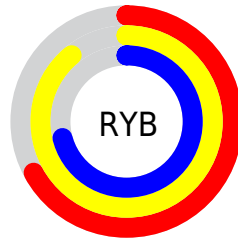
The XYZ color **63.8289, 72.8222, 49.7217** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **47.6767, 44.8769, 78.8265**, and the grayscale version is **66.8148, 70.2943, 76.5505**.

A 20% lighter version of the original color is **91.0036, 98.3814, 87.5919**, and **33.1866, 38.6235, 23.1587** is the 20% darker color. If you saturate the color by 10%, you get **60.7340, 71.4597, 39.1522**, and if you desaturate by 10%, it is **67.3250, 74.3529, 62.2568**.

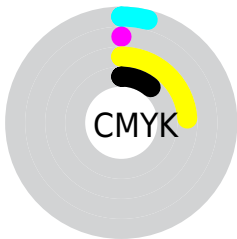
Distribution



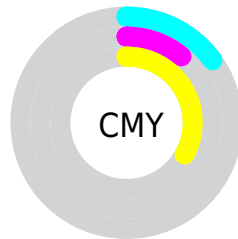
- Red (85%)
- Green (89%)
- Blue (67%)



- Red (67%)
- Yellow (89%)
- Blue (71%)



- Cyan (4%)
- Magenta (0%)
- Yellow (24%)
- Black (11%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.8289, 72.8222, 49.7217 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 63.8289, 72.8222, 49.7217 by changing the saturation by 10% instead.


 63.8289, 72.8222,
49.7217

 63.8289, 72.8222,
49.7217

428.1835,
470.3984, 402.2805

 46.7733, 53.8306,
34.8227


 109.4396,
123.2248, 91.1545

 33.0636, 38.4662,
23.2439


138.7254,
155.4045, 118.5253

 22.3347, 26.3447,
14.5667


172.8186,
192.7491, 150.8904

 14.2210, 17.0817,
8.3726

212.0846,
235.6429, 188.6685

 8.3573, 10.2928,
4.2431

256.8887,
284.4703, 232.2780

 4.3781, 5.5935,
1.7596

307.5964,

 1.9182, 2.5995,

339.6158, 282.1375

0.4011

364.5728,
401.4637, 338.6654

■ 0.5874, 0.9264,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.8289, 72.8222,
49.7217

■ 63.8289, 72.8222,
49.7217

■ 60.7340, 71.4597,
39.1522

■ 67.3250, 74.3529,
62.2568

■ 58.0155, 70.2483,
30.4441

■ 71.2343, 76.0494,
76.8455

■ 55.6546, 69.1826,
23.4905

■ 75.5753, 77.9215,
93.5761

■ 53.6284, 68.2537,
18.1717

■ 79.0815, 79.4626,
105.7775

■ 51.9112, 67.4512,
14.3533

■ 80.3068, 80.0942,
105.8349

■ 50.4731, 66.7631,
11.8793

■ 81.5578, 80.7392,
105.8934

■ 49.2781, 66.1750,
10.5599

■ 82.8347, 81.3974,
105.9532

■ 48.6658, 65.8678,
10.1488

■ 84.1376, 82.0691,
106.0141

■ 85.4667, 82.7542,
106.0763

Harmonies

Analogous

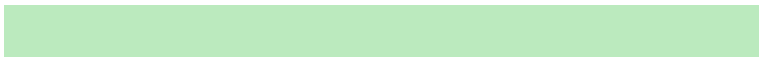
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.4138, 72.8222, 47.3209



63.8289, 72.8222, 49.7217



58.9905, 72.8222, 59.4644

Triad

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



63.8289, 72.8222, 49.7217



61.8934, 72.8222, 114.3233



83.1919, 72.8222, 82.7529

Complementary

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



63.8289, 72.8222, 49.7217



47.6767, 44.8769, 78.8265

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.



80.5582, 72.8222, 103.0971



63.8289, 72.8222, 49.7217



68.0305, 72.8222, 123.1480

Square

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



63.8289, 72.8222, 49.7217



57.9258, 72.8222, 96.2146



74.8965, 72.8222, 118.7343



81.8839, 72.8222, 64.4783

Rectangle

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



63.8289, 72.8222, 49.7217



57.2563, 72.8222, 69.8064



74.8965, 72.8222, 118.7343



82.7333, 72.8222, 89.5980

Sweetspot

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



63.8308, 72.8254, 49.7233



91.2410, 98.3531, 94.4109



55.4993, 52.0551, 46.1533



19.4618, 21.0224, 19.9542



0.0000, 0.0000, 0.0000



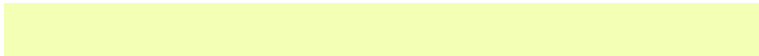
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.8308, 72.8254, 49.7233



81.0307, 93.8938, 57.5955



56.4669, 69.0292, 49.3786



15.3578, 16.6915, 15.3168



28.4648, 38.4556, 5.9224



2.1655, 2.8737, 0.4405

Inverse Universe

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



47.6767, 44.8769, 78.8265



56.6165, 51.6462, 101.5925



54.5623, 48.4265, 79.1487



13.8016, 13.9999, 18.1192



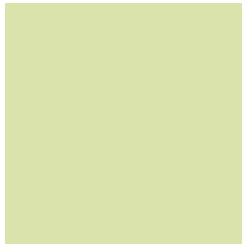
8.5993, 3.4990, 42.6053



0.7021, 0.2929, 3.1515

Previews

White Background



This preview shows how the XYZ color 63.8289, 72.8222, 49.7217 looks on a white background.

Color Contrast Check

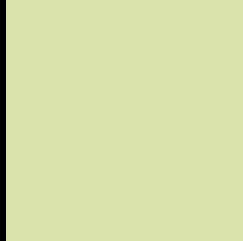
Large Text (above 18pt) WCAG AA × Fail

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 63.8289, 72.8222, 49.7217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

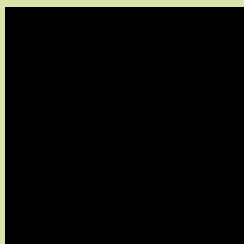
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

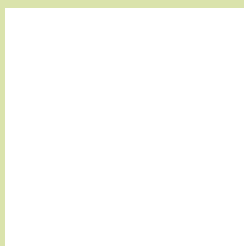
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.8289, 72.8222, 49.7217

Background



This preview shows how black text looks on a background with the XYZ color 63.8289, 72.8222, 49.7217.



This preview shows how white text looks on a background with the XYZ color 63.8289, 72.8222,

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

63.8289, 72.8222, 49.7217

Protanopia

67.9429, 72.5820, 47.9649

Deuteranopia

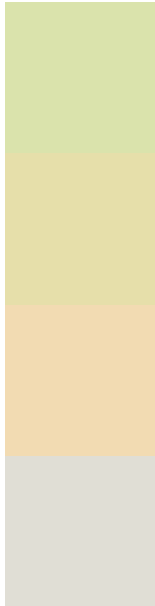
73.6271, 72.6893, 53.8659



Tritanopia

72.1504, 73.0501, 89.6542

Trichromacy



Original Color

63.8289, 72.8222, 49.7217

Protanomaly

66.2765, 72.5006, 48.5311

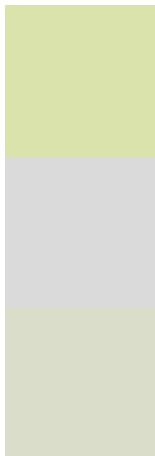
Deuteranomaly

69.9853, 72.7546, 52.4739

Tritanomaly

68.8720, 72.8939, 73.3908

Monochromacy



Original Color

63.8289, 72.8222, 49.7217

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

65.3125, 70.8354, 65.4886

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.8289, 72.8222, 49.7217 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(218, 227, 172) looks like.

```
.text, #text, p{  
    color:rgb(218, 227, 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(218, 227, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 227, 172) }
```

Border

The CSS property to change the border of an element to XYZ 63.8289, 72.8222, 49.7217 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(218, 227, 172) }
```


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

```
.border{ border-color:rgb(218, 227, 172) }
```

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

Here you see how a box with a 4 pixel rgb(218, 227, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 227, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 227, 172);  
box-shadow:4px 4px 4px 4px rgb(218, 227,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 63.8289, 72.8222, 49.7217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 227, 172) }
```

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

```
.background{ background-color: rgb(218,  
227, 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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