

Converting Colors

XYZ(62.1000, 69.9878, 48.6903)

Have a look what the booklet for
XYZ(62.1000, 69.9878, 48.6903)
contains.

XYZ(62.0872, 69.9345, 48.7544)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(62.0872, 69.9345,
48.7544)**

Conversions

Conversions Part 1

Format	Color
Hex	D9DEAB
RGB	217, 222, 171
RGB Percent	85%, 87%, 67%
CMY	0.1490, 0.1294, 0.3294
CMYK	0.02, 0.00, 0.23, 0.13
HSL	66°, 44%, 77%
HSV	66°, 23%, 87%
XYZ	62.0872, 69.9345, 48.7544
YIQ	214.6910, 13.3910, -16.9210

Conversions

Conversions Part 2

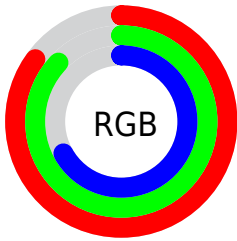
Format	Color
RYB	171, 222, 176
Decimal	14278315
CIELab	86.96, -9.98, 24.52
CIELCh	87, 26.470, 112.146
Yxy	69.9345, 0.3434, 0.3869
Android (android.graphics.Color)	4292468395 (0xFFD9DEAB)
YUV	214.6910, -21.5397, 2.0250
Hunter-Lab	83.6268, -13.8230, 23.9728

Details

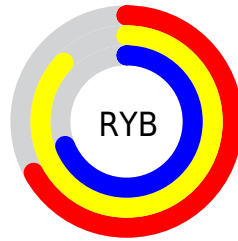
The XYZ color **62.0872, 69.9345, 48.7544** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **45.6549, 43.6317, 75.1266**, and the grayscale version is **64.5185, 67.8785, 73.9197**.

A 20% lighter version of the original color is **90.8651, 98.3261, 86.8628**, and **31.9890, 36.6268, 22.5232** is the 20% darker color. If you saturate the color by 10%, you get **59.5038, 68.8292, 38.4999**, and if you desaturate by 10%, it is **65.0383, 71.1926, 60.8842**.

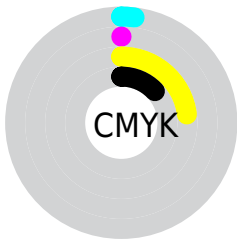
Distribution



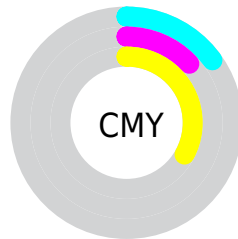
- Red (85%)
- Green (87%)
- Blue (67%)



- Red (67%)
- Yellow (87%)
- Blue (69%)



- Cyan (2%)
- Magenta (0%)
- Yellow (23%)
- Black (13%)



- Cyan (15%)
- Magenta (13%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 62.0872, 69.9345, 48.7544 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 62.0872, 69.9345, 48.7544 by changing the saturation by 10% instead.

■ 62.0872, 69.9345,
48.7544

■ 62.0872, 69.9345,
48.7544

421.9616,
460.3200, 398.3693

■ 45.3590, 51.4731,
34.0605

■ 106.9408,
119.1153, 89.7038

■ 31.9428, 36.5853,
22.6623

135.7969,
150.6036, 116.7963

■ 21.4731, 24.8866,
14.1414

169.4264,
187.2030, 148.8588

■ 13.5847, 15.9926,
8.0792

208.1946,
229.2978, 186.3098

■ 7.9122, 9.5189,
4.0572

252.4668,
277.2726, 229.5677

■ 4.0901, 5.0812,
1.6568

302.6085,

■ 1.7532, 2.2950,

331.5116, 279.0513

0.3309

358.9850,
392.3992, 335.1790

■ 0.4893, 0.7710,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 62.0872, 69.9345,
48.7544

■ 62.0872, 69.9345,
48.7544

■ 59.5038, 68.8292,
38.4999

■ 65.0383, 71.1926,
60.8842

■ 57.2648, 67.8602,
30.0227

■ 68.3681, 72.6009,
74.9718

■ 55.3527, 67.0231,
23.2229

■ 72.0940, 74.1685,
91.1001

■ 53.7463, 66.3091,
17.9888

■ 75.4474, 75.5881,
105.2212

■ 52.4218, 65.7089,
14.1950

■ 76.1338, 75.9420,
105.2533

■ 51.3518, 65.2115,
11.6973

■ 76.8289, 76.3003,
105.2859

■ 50.5030, 64.8035,
10.3211

■ 77.5328, 76.6632,
105.3188

■ 50.0009, 64.5551,
9.8251

■ 78.2454, 77.0306,
105.3522

■ 78.9669, 77.4025,
105.3859

Harmonies

Analogous

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



68.1091, 69.9345, 47.1431



62.0872, 69.9345, 48.7544



57.5151, 69.9345, 57.0990

Triad

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



62.0872, 69.9345, 48.7544



59.4361, 69.9345, 106.3319



78.9623, 69.9345, 80.8966

Complementary

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



62.0872, 69.9345, 48.7544



45.6549, 43.6317, 75.1266

Split Complementary

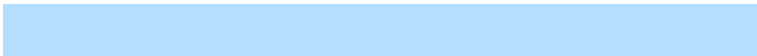
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.3106, 69.9345, 99.0195



62.0872, 69.9345, 48.7544



64.8587, 69.9345, 115.1185

Square

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



62.0872, 69.9345, 48.7544



56.0520, 69.9345, 89.7224



71.0557, 69.9345, 112.2533



78.1064, 69.9345, 64.0146

Rectangle

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



62.0872, 69.9345, 48.7544



55.7805, 69.9345, 66.1740



71.0557, 69.9345, 112.2533



78.4461, 69.9345, 87.0744

Sweetspot

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



62.0890, 69.9376, 48.7559



91.6665, 98.5725, 94.4308



52.8559, 49.2290, 45.2454



19.5606, 21.0733, 19.9588



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.



62.0890, 69.9376, 48.7559



83.0789, 94.9192, 59.0704



55.2761, 66.4254, 48.4370



14.7323, 15.9577, 14.6104



29.7510, 38.3697, 5.8381



2.1011, 2.6797, 0.4065

Inverse Universe

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



45.6549, 43.6317, 75.1266



56.4945, 52.3604, 101.7367



51.7701, 46.7842, 75.4128



13.0762, 13.3073, 17.2671



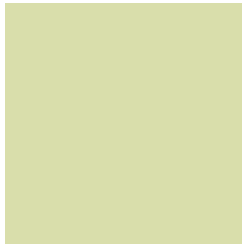
8.0675, 3.2542, 41.2513



0.6024, 0.2478, 2.8613

Previews

White Background



This preview shows how the XYZ color 62.0872, 69.9345, 48.7544 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 62.0872, 69.9345, 48.7544 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

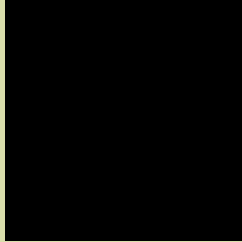
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

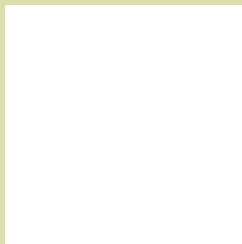
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 62.0872, 69.9345, 48.7544

Background



This preview shows how black text looks on a background with the XYZ color 62.0872, 69.9345, 48.7544.



This preview shows how white text looks on a background with the XYZ color 62.0872, 69.9345,

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

62.0872, 69.9345, 48.7544

Protanopia

65.2530, 69.6461, 47.5400

Deuteranopia

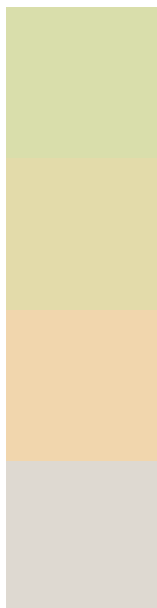
71.3135, 69.7278, 49.7446



Tritanopia

69.5217, 69.8702, 85.4234

Trichromacy



Original Color

62.0872, 69.9345, 48.7544

Protanomaly

64.2658, 69.8962, 48.1344

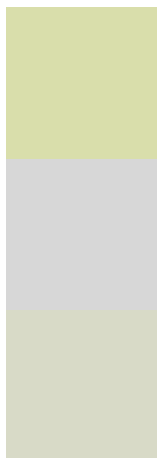
Deuteranomaly

67.8650, 69.8110, 49.4332

Tritanomaly

66.4457, 69.7588, 70.2843

Monochromacy



Original Color

62.0872, 69.9345, 48.7544

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

63.6991, 68.8653, 63.9679

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.0872, 69.9345, 48.7544 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(217, 222, 171)` looks like.

```
.text, #text, p{  
    color:rgb(217, 222, 171)  
}
```

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(217, 222, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 222, 171) }
```

Border

The CSS property to change the border of an element to XYZ 62.0872, 69.9345, 48.7544 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(217, 222, 171) }
```


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

```
.border{ border-color:rgb(217, 222, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 222, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 222, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 222, 171);  
box-shadow:4px 4px 4px 4px rgb(217, 222,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 62.0872, 69.9345, 48.7544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 222, 171) }
```

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

```
.background{ background-color: rgb(217,  
222, 171) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor