

Converting Colors

XYZ(62.7794, 65.6823, 49.9266)

Have a look what the booklet for
XYZ(62.7794, 65.6823, 49.9266)
contains.

XYZ(62.7794, 65.6823, 49.9266)	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(62.7794, 65.6823,
49.9266)**

Conversions

Conversions Part 1

Format	Color
Hex	E4D2AF
RGB	228, 210, 175
RGB Percent	89%, 82%, 69%
CMY	0.1059, 0.1764, 0.3137
CMYK	0.00, 0.08, 0.23, 0.11
HSL	40°, 50%, 79%
HSV	40°, 23%, 89%
XYZ	62.7794, 65.6823, 49.9266
YIQ	211.3920, 21.9630, -7.0690

Conversions

Conversions Part 2

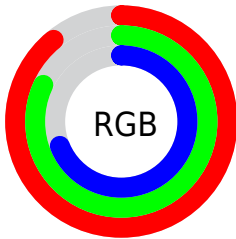
Format	Color
R _Y B	202, 228, 175
Decimal	14996143
CIE Lab	84.83, 0.81, 19.63
CIE LCh	85, 19.644, 87.632
Yxy	65.6823, 0.3519, 0.3682
Android (android.graphics.Color)	4293186223 (0xFFE4D2AF)
YUV	211.3920, -17.9413, 14.5652
Hunter-Lab	81.0446, -3.5570, 20.2063

Details

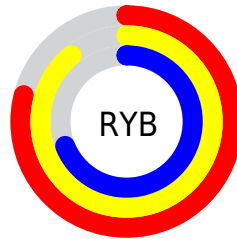
The XYZ color **62.7794, 65.6823, 49.9266** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **50.7525, 52.8542, 80.9262**, and the grayscale version is **62.2824, 65.5259, 71.3577**.

A 20% lighter version of the original color is **91.4238, 98.5495, 89.8047**, and **32.4146, 33.9527, 23.2575** is the 20% darker color. If you saturate the color by 10%, you get **58.8617, 61.1328, 38.4899**, and if you desaturate by 10%, it is **67.1712, 70.5739, 63.3882**.

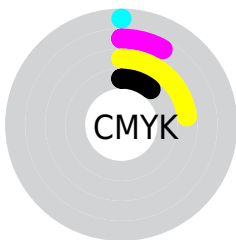
Distribution



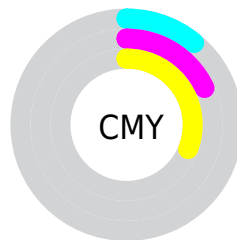
- Red (89%)
- Green (82%)
- Blue (69%)



- Red (79%)
- Yellow (89%)
- Blue (69%)



- Cyan (0%)
- Magenta (8%)
- Yellow (23%)
- Black (11%)



- Cyan (11%)
- Magenta (18%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 62.7794, 65.6823, 49.9266 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 62.7794, 65.6823, 49.9266 by changing the saturation by 10% instead.

■ 62.7794, 65.6823,
49.9266

■ 62.7794, 65.6823,
49.9266

424.4408,
445.2398, 403.1057

■ 45.9207, 48.0145,
34.9843

■ 107.9348,
113.0302, 91.4613

■ 32.3876, 33.8384,
23.3673

136.9622,
143.4792, 118.8908

■ 21.8147, 22.7695,
14.6571

170.7767,
178.9573, 151.3198

■ 13.8367, 14.4234,
8.4352

209.7434,
219.8491, 189.1667

■ 8.0881, 8.4157,
4.2829

254.2278,
266.5388, 232.8503

■ 4.2037, 4.3621,
1.7818

304.5953,

■ 1.8180, 1.8781,

319.4109, 282.7889

0.4159

361.2112,
378.8498, 339.4012

■ 0.5285, 0.5352,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 62.7794, 65.6823,
49.9266

■ 62.7794, 65.6823,
49.9266

■ 58.8617, 61.1328,
38.4899

■ 67.1712, 70.5739,
63.3882

■ 55.3927, 56.9064,
28.9737

■ 72.0507, 75.8083,
78.9639

■ 52.3520, 52.9952,
21.2701

■ 77.4376, 81.3976,
96.7426

■ 49.7157, 49.3873,
15.2592

■ 81.4919, 86.6077,
107.0296

■ 47.4568, 46.0697,
10.8062

■ 83.8321, 91.2880,
107.8097

■ 45.5445, 43.0280,
7.7556

■ 85.8051, 95.2341,
108.4673

■ 43.9418, 40.2448,
5.9191

■ 42.9952, 38.4943,
5.1641

Harmonies

Analogous

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



67.0712, 65.6823, 52.9328



62.7794, 65.6823, 49.9266



58.5848, 65.6823, 52.1176

Triad

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



62.7794, 65.6823, 49.9266



55.2260, 65.6823, 83.3600



69.8551, 65.6823, 85.2960

Complementary

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



62.7794, 65.6823, 49.9266



50.7525, 52.8542, 80.9262

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.



66.4379, 65.6823, 95.2161



62.7794, 65.6823, 49.9266



58.0062, 65.6823, 94.0092

Square

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



62.7794, 65.6823, 49.9266



54.3476, 65.6823, 70.5200



62.0800, 65.6823, 98.5762



71.2743, 65.6823, 72.5230

Rectangle

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



62.7794, 65.6823, 49.9266



56.3815, 65.6823, 56.3925



62.0800, 65.6823, 98.5762



68.8943, 65.6823, 89.1291

Sweetspot

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



62.7811, 65.6853, 49.9280



90.4049, 95.0970, 93.8264



57.0127, 51.0296, 57.6200



19.2679, 20.2665, 19.8185



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.



62.7811, 65.6853, 49.9280



78.3578, 81.7199, 56.7715



65.0122, 73.8059, 51.3778



15.1679, 15.9497, 15.1836



24.9409, 22.4559, 3.0199



1.9283, 1.8299, 0.2516

Inverse Universe

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



50.7525, 52.8542, 80.9262



60.2390, 62.3962, 103.4765



48.8509, 46.3235, 79.7658



13.9808, 14.6830, 18.2416



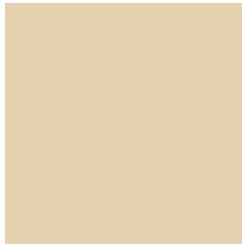
9.7340, 6.5302, 43.1306



0.8029, 0.6498, 3.2151

Previews

White Background



This preview shows how the XYZ color 62.7794, 65.6823, 49.9266 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 62.7794, 65.6823, 49.9266 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 62.7794, 65.6823, 49.9266

Background



This preview shows how black text looks on a background with the XYZ color 62.7794, 65.6823, 49.9266.



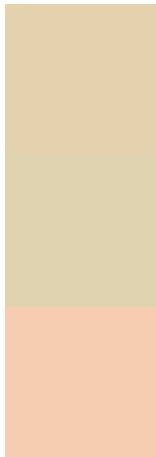
This preview shows how white text looks on a background with the XYZ color 62.7794, 65.6823,

49.9266.

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

62.7794, 65.6823, 49.9266

Protanopia

61.8712, 65.5704, 50.4697

Deuteranopia

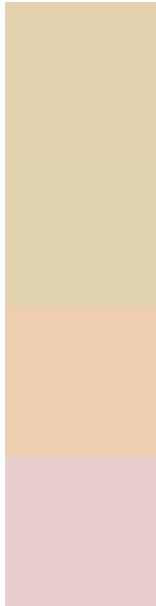
67.0855, 65.7328, 50.2262



Tritanopia

68.4428, 65.8455, 76.8123

Trichromacy



Original Color

62.7794, 65.6823, 49.9266

Protanomaly

62.1821, 65.7307, 50.4842

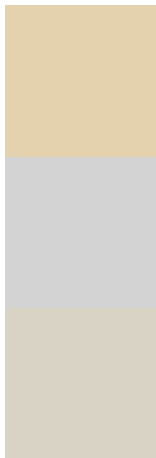
Deuteranomaly

65.5044, 65.6279, 50.2893

Tritanomaly

66.2491, 65.6581, 66.3083

Monochromacy



Original Color

62.7794, 65.6823, 49.9266

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

62.1026, 65.4175, 62.7798

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.7794, 65.6823, 49.9266 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, 210, 175)` looks like.

```
.text, #text, p{  
    color:rgb(228, 210, 175)  
}
```

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, 210, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 210, 175) }
```

Border

The CSS property to change the border of an element to XYZ 62.7794, 65.6823, 49.9266 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, 210, 175) }
```


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

```
.border{ border-color:rgb(228, 210, 175) }
```

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

Here you see how a box with a 4 pixel rgb(228, 210, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 210, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 210, 175);  
box-shadow:4px 4px 4px 4px rgb(228, 210,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 62.7794, 65.6823, 49.9266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 210, 175) }
```

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

```
.background{ background-color: rgb(228,  
210, 175) }
```

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