

Converting Colors

XYZ(49.7984, 52.7007, 28.1085)

Have a look what the booklet for
XYZ(49.7984, 52.7007, 28.1085)
contains.

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Color

**XYZ(49.7503, 52.5316,
27.9396)**

Conversions

Conversions Part 1

Format	Color
Hex	D5BE80
RGB	213, 190, 128
RGB Percent	84%, 75%, 50%
CMY	0.1647, 0.2549, 0.4980
CMYK	0.00, 0.11, 0.40, 0.16
HSL	44°, 50%, 67%
HSV	44°, 40%, 84%
XYZ	49.7503, 52.5316, 27.9396
YIQ	189.8090, 33.6100, -14.4060

Conversions

Conversions Part 2

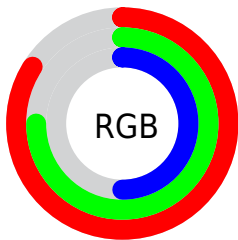
Format	Color
R_{YB}	160, 213, 128
Decimal	14007936
CIE Lab	77.60, -0.48, 34.28
CIE LCh	78, 34.287, 90.808
Yxy	52.5316, 0.3820, 0.4034
Android (android.graphics.Color)	4292198016 (0xFFD5BE80)
YUV	189.8090, -30.4718, 20.3385
Hunter-Lab	72.4787, -4.3130, 27.8795

Details

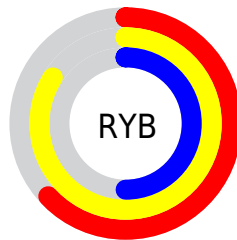
The XYZ color **49.7503, 52.5316, 27.9396** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **31.9786, 31.5254, 67.3502**, and the grayscale version is **48.9910, 51.5424, 56.1296**.

A 20% lighter version of the original color is **82.5363, 90.5077, 56.8357**, and **24.2254, 25.6095, 10.8740** is the 20% darker color. If you saturate the color by 10%, you get **47.2698, 49.5836, 20.9071**, and if you desaturate by 10%, it is **52.5771, 55.7009, 36.5406**.

Distribution



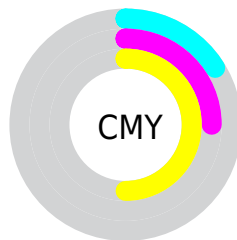
- Red (84%)
- Green (75%)
- Blue (50%)



- Red (63%)
- Yellow (84%)
- Blue (50%)



- Cyan (0%)
- Magenta (11%)
- Yellow (40%)
- Black (16%)



- Cyan (16%)
- Magenta (25%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.7503, 52.5316, 27.9396 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 49.7503, 52.5316, 27.9396 by changing the saturation by 10% instead.

■ 49.7503, 52.5316,
27.9396

■ 49.7503, 52.5316,
27.9396

376.1568,
396.4855, 306.0810

■ 35.4320, 37.4290,
18.0415

■ 88.9988, 93.9148,
57.4099

■ 24.1639, 25.5398,
10.8100

■ 114.6598,
120.9641, 77.8192

■ 15.5807, 16.4797,
5.8267

■ 144.8324,
152.7645, 102.5694

■ 9.3169, 9.8642,
2.6729

179.8819,
189.7002, 132.0788

■ 5.0072, 5.3090,
0.9297

220.1738,
232.1558, 166.7662

■ 2.2863, 2.4297,
0.0000

266.0733,

■ 0.7876, 0.8411,

280.5156, 207.0500

0.0000

317.9459,
335.1640, 253.3488

■ 0.0000, 0.0000,
0.0000

■ 49.7503, 52.5316,
27.9396

■ 49.7503, 52.5316,
27.9396

■ 47.2698, 49.5836,
20.9071

■ 52.5771, 55.7009,
36.5406

■ 45.1125, 46.8410,
15.3419

■ 55.7637, 59.0921,
46.7963

■ 43.2586, 44.2969,
11.1359

■ 59.3278, 62.7149,
58.7905

■ 41.6837, 41.9407,
8.1649

■ 63.2844, 66.5764,
72.6004

■ 40.3595, 39.7600,
6.2814

■ 67.6477, 70.6829,
88.2983

■ 39.2351, 37.7334,
5.2212

■ 72.3020, 74.9891,
105.2714

■ 39.2248, 37.7147,
5.2123

■ 73.8823, 78.1497,
105.7981

■ 75.5157, 81.4165,
106.3426

■ 77.2026, 84.7903,
106.9049

Harmonies

Analogous

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



56.3995, 52.5316, 30.9087



49.7503, 52.5316, 27.9396



43.6894, 52.5316, 31.2512

Triad

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



49.7503, 52.5316, 27.9396



39.7747, 52.5316, 77.9765



61.8880, 52.5316, 76.8861

Complementary

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



49.7503, 52.5316, 27.9396



31.9786, 31.5254, 67.3502

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.



56.7376, 52.5316, 94.5732



49.7503, 52.5316, 27.9396



43.9746, 52.5316, 95.2944

Square

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



49.7503, 52.5316, 27.9396



38.2519, 52.5316, 57.7140



50.1096, 52.5316, 101.9457



63.7709, 52.5316, 56.6851

Rectangle

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



49.7503, 52.5316, 27.9396



40.6990, 52.5316, 37.1142



50.1096, 52.5316, 101.9457



60.4602, 52.5316, 83.4681

Sweetspot

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



49.7516, 52.5340, 27.9407



87.9247, 93.0151, 84.1254



40.8344, 31.8548, 33.7385



18.6647, 19.7531, 17.4811



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.



49.7516, 52.5340, 27.9407



71.5375, 75.1253, 32.7759



50.0888, 60.6937, 29.4979



13.1755, 13.9252, 13.1541



24.0489, 23.2150, 3.2134



1.5174, 1.5340, 0.2161

Inverse Universe

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



31.9786, 31.5254, 67.3502



41.2438, 39.3420, 100.0277



31.6582, 26.3924, 66.3763



12.0132, 12.5499, 15.7267



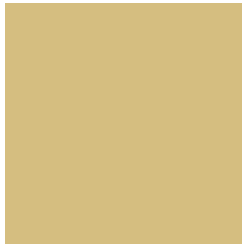
8.3220, 4.9057, 38.9614



0.5707, 0.4334, 2.3729

Previews

White Background



This preview shows how the XYZ color 49.7503, 52.5316, 27.9396 looks on a white background.

Color Contrast Check

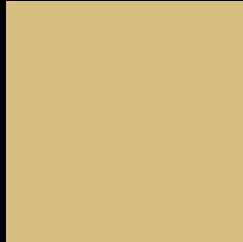
Large Text (above 18pt) WCAG AA × Fail

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 49.7503, 52.5316, 27.9396 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 49.7503, 52.5316, 27.9396

Background



This preview shows how black text looks on a background with the XYZ color 49.7503, 52.5316, 27.9396.



This preview shows how white text looks on a background with the XYZ color 49.7503, 52.5316,

27.9396.

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

49.7503, 52.5316, 27.9396

Protanopia

48.8245, 52.6941, 28.3665

Deuteranopia

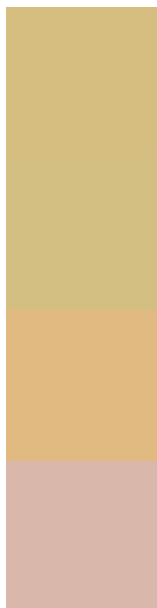
53.5291, 52.2749, 28.0377



Tritanopia

56.0029, 52.2489, 59.3579

Trichromacy



Original Color

49.7503, 52.5316, 27.9396

Protanomaly

49.1716, 52.5482, 28.3201

Deuteranomaly

52.2618, 52.5501, 28.1576

Tritanomaly

53.1064, 51.9730, 45.7609

Monochromacy



Original Color

49.7503, 52.5316, 27.9396

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.6772, 51.6227, 43.9578

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7503, 52.5316, 27.9396 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(213, 190, 128)` looks like.

```
.text, #text, p{  
    color:rgb(213, 190, 128)  
}
```

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(213, 190, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 190, 128) }
```

Border

The CSS property to change the border of an element to XYZ 49.7503, 52.5316, 27.9396 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(213, 190, 128) }
```


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

```
.border{ border-color:rgb(213, 190, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 190, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 190, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 190, 128);  
box-shadow:4px 4px 4px 4px rgb(213, 190,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7503, 52.5316, 27.9396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 190, 128) }
```

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

```
.background{ background-color: rgb(213,  
190, 128) }
```

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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