

Converting Colors

XYZ(44.9742, 49.6554, 24.1376)

Have a look what the booklet for
XYZ(44.9742, 49.6554, 24.1376)
contains.

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Color

**XYZ(44.7473, 49.3929,
24.0050)**

Conversions

Conversions Part 1

Format	Color
Hex	C7BC75
RGB	199, 188, 117
RGB Percent	78%, 74%, 46%
CMY	0.2196, 0.2627, 0.5412
CMYK	0.00, 0.06, 0.41, 0.22
HSL	52°, 42%, 62%
HSV	52°, 41%, 78%
XYZ	44.7473, 49.3929, 24.0050
YIQ	183.1950, 29.3470, -19.7490

Conversions

Conversions Part 2

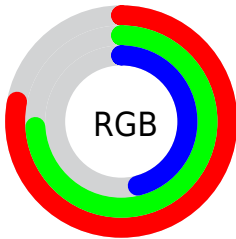
Format	Color
RYB	130, 199, 117
Decimal	13089909
CIELab	75.70, -6.27, 37.27
CIELCh	76, 37.797, 99.549
Yxy	49.3929, 0.3787, 0.4181
Android (android.graphics.Color)	4291279989 (0xFFC7BC75)
YUV	183.1950, -32.6341, 13.8610
Hunter-Lab	70.2801, -9.3393, 28.9449

Details

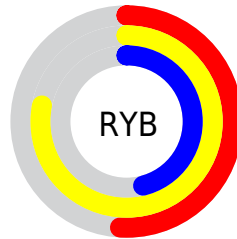
The XYZ color **44.7473, 49.3929, 24.0050** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **25.3640, 23.3431, 57.2016**, and the grayscale version is **45.2801, 47.6382, 51.8780**.

A 20% lighter version of the original color is **80.8464, 88.8636, 50.9215**, and **21.1787, 23.6625, 8.7613** is the 20% darker color. If you saturate the color by 10%, you get **43.1351, 47.8461, 18.2960**, and if you desaturate by 10%, it is **46.6212, 51.0648, 31.0294**.

Distribution



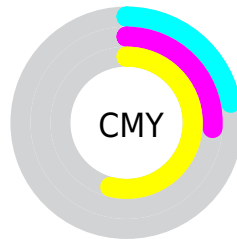
- Red (78%)
- Green (74%)
- Blue (46%)



- Red (51%)
- Yellow (78%)
- Blue (46%)



- Cyan (0%)
- Magenta (6%)
- Yellow (41%)
- Black (22%)



- Cyan (22%)
- Magenta (26%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.7473, 49.3929, 24.0050 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 44.7473, 49.3929, 24.0050 by changing the saturation by 10% instead.

■ 44.7473, 49.3929,
24.0050

■ 44.7473, 49.3929,
24.0050

356.5501,
384.2870, 286.1331

■ 31.4589, 34.9313,
15.1251

■ 81.5805, 89.2747,
50.9823

■ 21.1020, 23.6099,
8.7596

■ 105.8559,
115.4637, 69.9168

■ 13.3115, 15.0445,
4.4901

■ 134.5244,
146.3305, 93.0398

■ 7.7219, 8.8506,
1.8979

167.9513,
182.2597, 120.7700

■ 3.9678, 4.6439,
0.4914

206.5020,
223.6355, 153.5259

■ 1.6839, 2.0399,
0.0000

250.5418,

■ 0.4462, 0.6305,

270.8424, 191.7261

0.0000

300.4360,
324.2648, 235.7889

■ 0.0000, 0.0000,
0.0000

■ 44.7473, 49.3929,
24.0050

■ 44.7473, 49.3929,
24.0050

■ 43.1351, 47.8461,
18.2960

■ 46.6212, 51.0648,
31.0294

■ 41.7651, 46.4112,
13.8157

■ 48.7677, 52.8609,
39.4427

■ 40.6206, 45.0832,
10.4715


■ 51.2015, 54.7890,
49.3162


■ 39.6812, 43.8538,
8.1568


■ 53.9352, 56.8541,
60.7159

■ 38.9229, 42.7133,
6.7442


■ 56.9805, 59.0611,
73.7034

 38.3661, 41.7679,
6.0399

 60.3484, 61.4145,
88.3371

 63.8394, 63.8345,
103.5643

 64.4900, 65.1358,
103.7812

 65.1516, 66.4591,
104.0018

Harmonies

Analogous

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



51.8115, 49.3929, 25.1299



44.7473, 49.3929, 24.0050



38.8820, 49.3929, 29.1835

Triad

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



44.7473, 49.3929, 24.0050



37.3080, 49.3929, 82.2707



60.7309, 49.3929, 68.4153

Complementary

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



44.7473, 49.3929, 24.0050



25.3640, 23.3431, 57.2016

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.



56.0554, 49.3929, 89.3436



44.7473, 49.3929, 24.0050



42.3960, 49.3929, 98.6237

Square

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



44.7473, 49.3929, 24.0050



34.8776, 49.3929, 60.4369



49.2165, 49.3929, 101.4926



61.5206, 49.3929, 47.6317

Rectangle

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



44.7473, 49.3929, 24.0050



36.2664, 49.3929, 36.5045



49.2165, 49.3929, 101.4926



59.5410, 49.3929, 75.7937

Sweetspot

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



44.7485, 49.3952, 24.0060



89.2139, 95.5936, 84.5551



33.8973, 26.4582, 24.1946



18.9696, 20.3629, 17.5828



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.



44.7485, 49.3952, 24.0060



75.9188, 84.1654, 33.3809



40.2771, 50.7108, 24.4956



11.3979, 12.1650, 11.3101



24.7170, 26.9511, 3.8994



1.2048, 1.3451, 0.1961

Inverse Universe

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



25.3640, 23.3431, 57.2016



37.6669, 32.7763, 98.9489



28.4714, 22.9303, 56.9582



10.1695, 10.5130, 13.4107



6.9135, 3.2209, 35.0017



0.3658, 0.2295, 1.6702

Previews

White Background



This preview shows how the XYZ color 44.7473, 49.3929, 24.0050 looks on a white background.

Color Contrast Check

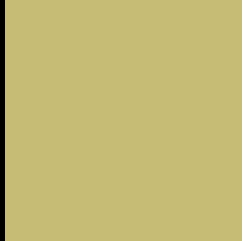
Large Text (above 18pt) WCAG AA × Fail

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 44.7473, 49.3929, 24.0050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

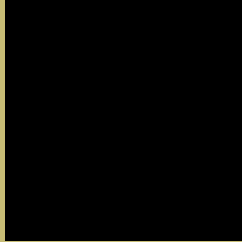
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 44.7473, 49.3929, 24.0050

Background



This preview shows how black text looks on a background with the XYZ color 44.7473, 49.3929, 24.0050.



This preview shows how white text looks on a background with the XYZ color 44.7473, 49.3929,

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

44.7473, 49.3929, 24.0050

Protanopia

45.5513, 49.4981, 23.6763

Deuteranopia

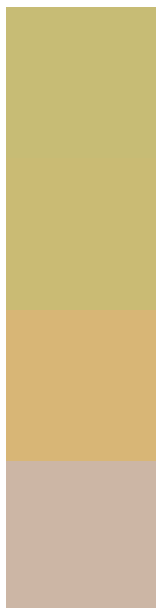
50.3015, 49.1803, 24.2943



Tritanopia

51.4779, 49.3559, 57.2655

Trichromacy



Original Color

44.7473, 49.3929, 24.0050

Protanomaly

45.2798, 49.3582, 23.6636

Deuteranomaly

48.3169, 49.3628, 24.1209

Tritanomaly

48.4213, 49.0099, 42.5051

Monochromacy



Original Color

44.7473, 49.3929, 24.0050

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

44.5932, 48.0199, 39.7193

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.7473, 49.3929, 24.0050 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(199, 188, 117)` looks like.

```
.text, #text, p{  
    color:rgb(199, 188, 117)  
}
```

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(199, 188, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 188, 117) }
```

Border

The CSS property to change the border of an element to XYZ 44.7473, 49.3929, 24.0050 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(199, 188, 117) }
```


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

```
.border{ border-color:rgb(199, 188, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 188, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 188, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 188, 117);  
box-shadow:4px 4px 4px 4px rgb(199, 188,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 44.7473, 49.3929, 24.0050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 188, 117) }
```

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

```
.background{ background-color: rgb(199,  
188, 117) }
```

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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