

Converting Colors

XYZ(44.5670, 49.0225, 23.9749)

Have a look what the booklet for
XYZ(44.5670, 49.0225, 23.9749)
contains.

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Color

**XYZ(44.5344, 48.9671,
23.9340)**

Conversions

Conversions Part 1

Format	Color
Hex	C7BB75
RGB	199, 187, 117
RGB Percent	78%, 73%, 46%
CMY	0.2196, 0.2666, 0.5412
CMYK	0.00, 0.06, 0.41, 0.22
HSL	51°, 42%, 62%
HSV	51°, 41%, 78%
XYZ	44.5344, 48.9671, 23.9340
YIQ	182.6080, 29.6220, -19.2260

Conversions

Conversions Part 2

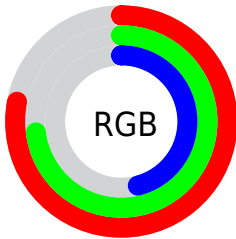
Format	Color
RYB	131, 199, 117
Decimal	13089653
CIELab	75.43, -5.75, 36.94
CIELCh	75, 37.382, 98.847
Yxy	48.9671, 0.3792, 0.4170
Android (android.graphics.Color)	4291279733 (0xFFC7BB75)
YUV	182.6080, -32.3447, 14.3758
Hunter-Lab	69.9765, -8.8580, 28.7046

Details

The XYZ color **44.5344, 48.9671, 23.9340** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **25.4950, 23.6053, 57.2453**, and the grayscale version is **44.9562, 47.2974, 51.5068**.

A 20% lighter version of the original color is **80.5463, 88.2635, 50.8215**, and **21.0398, 23.3847, 8.7150** is the 20% darker color. If you saturate the color by 10%, you get **42.8757, 47.3272, 18.2095**, and if you desaturate by 10%, it is **46.4568, 50.7361, 30.9746**.

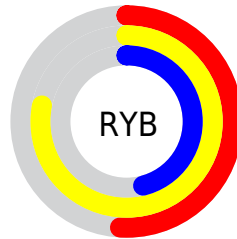
Distribution



Red (78%)

Green (73%)

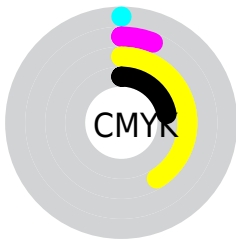
Blue (46%)



Red (51%)

Yellow (78%)

Blue (46%)

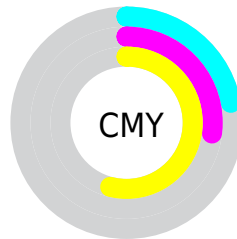


Cyan (0%)

Magenta (6%)

Yellow (41%)

Black (22%)



Cyan (22%)

Magenta (27%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.5344, 48.9671, 23.9340 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 44.5344, 48.9671, 23.9340 by changing the saturation by 10% instead.

■ 44.5344, 48.9671,
23.9340

■ 44.5344, 48.9671,
23.9340

355.7001,
382.6128, 285.7624

■ 31.2906, 34.5934,
15.0729

■ 81.2627, 88.6426,
50.8650

■ 20.9731, 23.3498,
8.7234

■ 105.4778,
114.7131, 69.7719

■ 13.2167, 14.8520,
4.4669

■ 134.0807,
145.4514, 92.8646

■ 7.6560, 8.7156,
1.8848

167.4369,
181.2419, 120.5615

■ 3.9255, 4.5561,
0.4830

205.9115,
222.4688, 153.2812

■ 1.6601, 1.9893,
0.0000

249.8700,

■ 0.4311, 0.6012,

269.5167, 191.4422

0.0000

299.6777,
322.7699, 235.4631

■ 0.0000, 0.0000,
0.0000

■ 44.5344, 48.9671,
23.9340

■ 44.5344, 48.9671,
23.9340

■ 42.8757, 47.3272,
18.2095

■ 46.4568, 50.7361,
30.9746

■ 41.4610, 45.8031,
13.7143

■ 48.6539, 52.6332,
39.4047

■ 40.2739, 44.3897,
10.3559


■ 51.1402, 54.6664,
49.2957


■ 39.2938, 43.0789,
8.0276


■ 53.9285, 56.8407,
60.7136


■ 38.4967, 41.8609,
6.6021

■ 57.0304, 59.1609,
73.7200

 37.9073, 40.8503,
5.8870

 60.4570, 61.6317,
88.3732

 64.0087, 64.1732,
103.6208

 64.7222, 65.6002,
103.8586

 65.4488, 67.0534,
104.1008

Harmonies

Analogous

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



51.4864, 48.9671, 25.1891



44.5344, 48.9671, 23.9340



38.7189, 48.9671, 28.8960

Triad

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



44.5344, 48.9671, 23.9340



36.9702, 48.9671, 80.8226



60.0184, 48.9671, 68.2088

Complementary

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



44.5344, 48.9671, 23.9340



25.4950, 23.6053, 57.2453

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.



55.3531, 48.9671, 88.6493



44.5344, 48.9671, 23.9340



41.9243, 48.9671, 97.0913

Square

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



44.5344, 48.9671, 23.9340



34.6435, 48.9671, 59.3658



48.6086, 48.9671, 100.2634



60.8931, 48.9671, 47.6934

Rectangle

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



44.5344, 48.9671, 23.9340



36.1028, 48.9671, 36.0035



48.6086, 48.9671, 100.2634



58.8209, 48.9671, 75.4445

Sweetspot

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



44.5356, 48.9694, 23.9350



89.0975, 95.3607, 84.5163



33.8972, 26.4582, 24.1946



18.9421, 20.3078, 17.5736



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.



44.5356, 48.9694, 23.9350



75.4764, 83.2806, 33.2334



40.2771, 50.7108, 24.4956



11.3866, 12.1423, 11.3063



24.4253, 26.3677, 3.8021



1.1936, 1.3226, 0.1924

Inverse Universe

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



25.4950, 23.6053, 57.2453



37.9050, 33.2526, 99.0283



28.4714, 22.9302, 56.9582



10.1798, 10.5337, 13.4142



6.9528, 3.2996, 35.0148



0.3706, 0.2389, 1.6717

Previews

White Background



This preview shows how the XYZ color 44.5344, 48.9671, 23.9340 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 44.5344, 48.9671, 23.9340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

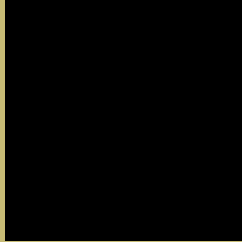
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 44.5344, 48.9671, 23.9340

Background



This preview shows how black text looks on a background with the XYZ color 44.5344, 48.9671, 23.9340.



This preview shows how white text looks on a background with the XYZ color 44.5344, 48.9671,

23.9340.

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

44.5344, 48.9671, 23.9340

Protanopia

45.3984, 49.0987, 23.9139

Deuteranopia

49.9906, 49.0200, 24.2798



Tritanopia

51.1669, 48.9120, 56.6133

Trichromacy



Original Color

44.5344, 48.9671, 23.9340

Protanomaly

45.1269, 48.9587, 23.9012

Deuteranomaly

47.8182, 48.8028, 24.0391

Tritanomaly

48.2172, 48.6017, 42.4371

Monochromacy



Original Color

44.5344, 48.9671, 23.9340

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

44.3848, 47.6030, 39.6499

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.5344, 48.9671, 23.9340 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, 187, 117)` looks like.

```
.text, #text, p{  
    color:rgb(199, 187, 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, 187, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 187, 117) }
```

Border

The CSS property to change the border of an element to XYZ 44.5344, 48.9671, 23.9340 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, 187, 117) }
```


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

```
.border{ border-color:rgb(199, 187, 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, 187, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 187, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 187, 117);  
box-shadow:4px 4px 4px 4px rgb(199, 187,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 44.5344, 48.9671, 23.9340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 187, 117) }
```

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

```
.background{ background-color: rgb(199,  
187, 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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