

Converting Colors

XYZ(42.5279, 48.6743, 23.8821)

Have a look what the booklet for
XYZ(42.5279, 48.6743, 23.8821)
contains.

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Color

**XYZ(42.3947, 48.4984,
23.9563)**

Conversions

Conversions Part 1

Format	Color
Hex	BDBD75
RGB	189, 189, 117
RGB Percent	74%, 74%, 46%
CMY	0.2588, 0.2588, 0.5412
CMYK	0.00, 0.00, 0.38, 0.26
HSL	60°, 35%, 60%
HSV	60°, 38%, 74%
XYZ	42.3947, 48.4984, 23.9563
YIQ	180.7920, 23.1120, -22.3920

Conversions

Conversions Part 2

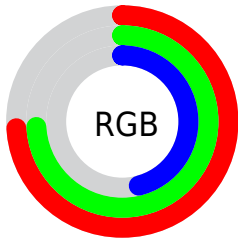
Format	Color
RYB	117, 189, 117
Decimal	12434805
CIELab	75.14, -10.81, 36.40
CIELCh	75, 37.967, 106.542
Yxy	48.4984, 0.3691, 0.4223
Android (android.graphics.Color)	4290624885 (0xFFBDBD75)
YUV	180.7920, -31.4495, 7.1984
Hunter-Lab	69.6408, -13.2073, 28.3529

Details

The XYZ color **42.3947, 48.4984, 23.9563** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **22.8846, 20.1799, 50.8360**, and the grayscale version is **43.9654, 46.2550, 50.3717**.

A 20% lighter version of the original color is **77.9141, 87.7999, 50.8708**, and **19.6488, 23.0819, 8.7298** is the 20% darker color. If you saturate the color by 10%, you get **41.3939, 48.0998, 18.6829**, and if you desaturate by 10%, it is **43.6223, 48.9912, 30.4134**.

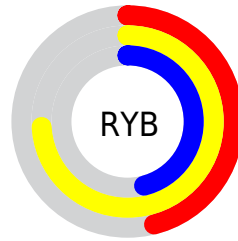
Distribution



Red (74%)

Green (74%)

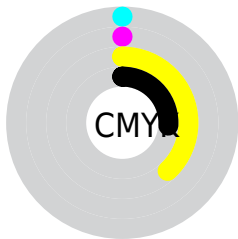
Blue (46%)



Red (46%)

Yellow (74%)

Blue (46%)

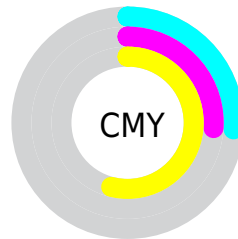


Cyan (0%)

Magenta (0%)

Yellow (38%)

Black (26%)



Cyan (26%)


Magenta (26%)

Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.3947, 48.4984, 23.9563 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 42.3947, 48.4984, 23.9563 by changing the saturation by 10% instead.


 42.3947, 48.4984,
23.9563


 42.3947, 48.4984,
23.9563


347.0804,
380.7643, 285.8789


 29.6029, 34.2217,
15.0893


 78.0581, 87.9460,
50.9018

 19.6840, 23.0640,
8.7348


 101.6604,
113.8858, 69.8174

 12.2725, 14.6408,
4.4741


 129.5969,
144.4820, 92.9196

 7.0030, 8.5677,
1.8889

162.2330,
180.1191, 120.6270

 3.5103, 4.4603,
0.4857

199.9341,
221.1815, 153.3581

 1.4290, 1.9342,
0.0000

243.0654,

 0.2768, 0.5688,

268.0536, 191.5314

0.0000

291.9924,
321.1197, 235.5655

■ 0.0000, 0.0000,
0.0000

■ 42.3947, 48.4984,
23.9563

■ 42.3947, 48.4984,
23.9563

■ 41.3939, 48.0998,
18.6829

■ 43.6223, 48.9912,
30.4134

■ 40.6028, 47.7833,
14.5187

■ 45.0855, 49.5765,
38.1167

■ 40.0074, 47.5451,
11.3852


■ 46.7971, 50.2612,
47.1280


■ 39.5907, 47.3784,
9.1929


■ 48.7679, 51.0496,
57.5041


■ 39.3328, 47.2751,
7.8365


■ 51.0080, 51.9456,
69.2984


 39.2024, 47.2230,
7.1521

 53.5270, 52.9533,
82.5614

 39.1826, 47.2150,
7.0483

 56.3340, 54.0762,
97.3414

 57.2378, 54.4377,
102.0985

 57.2382, 54.4379,
102.0985

Harmonies

Analogous

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



49.2773, 48.4984, 23.6429



42.3947, 48.4984, 23.9563



37.0594, 48.4984, 30.6118

Triad

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



42.3947, 48.4984, 23.9563



37.5009, 48.4984, 85.7489



60.3545, 48.4984, 62.2251

Complementary

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



42.3947, 48.4984, 23.9563



22.8846, 20.1799, 50.8360

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.



56.4943, 48.4984, 83.7521



42.3947, 48.4984, 23.9563



43.0552, 48.4984, 99.4651

Square

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



42.3947, 48.4984, 23.9563



34.4346, 48.4984, 64.4716



50.0073, 48.4984, 98.6541



60.1320, 48.4984, 42.6409

Rectangle

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



42.3947, 48.4984, 23.9563



34.8906, 48.4984, 38.9879



50.0073, 48.4984, 98.6541



59.4760, 48.4984, 69.5562

Sweetspot

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



42.3959, 48.5006, 23.9573



82.8158, 89.6153, 79.1745



30.5601, 24.8270, 20.0117



17.7184, 19.2350, 16.5480



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.3959, 48.5006, 23.9573



74.3534, 86.2300, 34.6240



34.5473, 44.4545, 23.5900



10.3222, 11.1205, 10.1791



26.3618, 31.7659, 4.7420



1.0326, 1.2443, 0.1857

Inverse Universe

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



22.8846, 20.1799, 50.8360



34.2754, 28.0567, 89.8352



28.6850, 23.1701, 51.1075



9.0166, 9.2254, 11.9777



6.1803, 2.4721, 32.5443



0.2421, 0.0968, 1.2748

Previews

White Background



This preview shows how the XYZ color 42.3947, 48.4984, 23.9563 looks on a white background.

Color Contrast Check

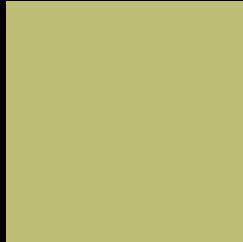
Large Text (above 18pt) WCAG AA × Fail

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 42.3947, 48.4984, 23.9563 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

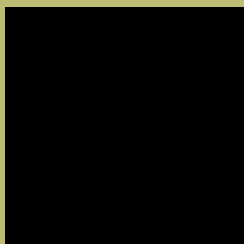
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

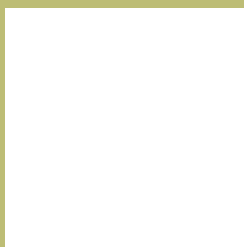
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.3947, 48.4984, 23.9563

Background



This preview shows how black text looks on a background with the XYZ color 42.3947, 48.4984, 23.9563.



This preview shows how white text looks on a background with the XYZ color 42.3947, 48.4984,

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

42.3947, 48.4984, 23.9563

Protanopia

44.8006, 48.4923, 23.2184

Deuteranopia

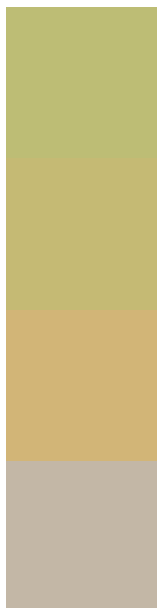
49.2365, 48.3299, 24.5029



Tritanopia

49.3476, 48.5433, 57.8078

Trichromacy



Original Color

42.3947, 48.4984, 23.9563

Protanomaly

43.7372, 48.2491, 23.5308

Deuteranomaly

46.4320, 48.0813, 24.2862

Tritanomaly

46.3221, 48.2222, 42.9428

Monochromacy



Original Color

42.3947, 48.4984, 23.9563

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

43.0792, 46.9399, 39.1376

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3947, 48.4984, 23.9563 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(189, 189, 117)` looks like.

```
.text, #text, p{  
    color:rgb(189, 189, 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(189, 189, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 189, 117) }
```

Border

The CSS property to change the border of an element to XYZ 42.3947, 48.4984, 23.9563 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(189, 189, 117) }
```


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

```
.border{ border-color:rgb(189, 189, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 189, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 189, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 189, 117);  
box-shadow:4px 4px 4px 4px rgb(189, 189,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3947, 48.4984, 23.9563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 189, 117) }
```

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

```
.background{ background-color: rgb(189,  
189, 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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