

Converting Colors

XYZ(42.2309, 48.0959, 23.7234)

Have a look what the booklet for
XYZ(42.2309, 48.0959, 23.7234)
contains.

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Color

**XYZ(42.1219, 48.0462,
23.5768)**

Conversions

Conversions Part 1

Format	Color
Hex	BDBC74
RGB	189, 188, 116
RGB Percent	74%, 74%, 45%
CMY	0.2588, 0.2627, 0.5451
CMYK	0.00, 0.01, 0.39, 0.26
HSL	59°, 36%, 60%
HSV	59°, 39%, 74%
XYZ	42.1219, 48.0462, 23.5768
YIQ	180.0910, 23.7080, -22.1800

Conversions

Conversions Part 2

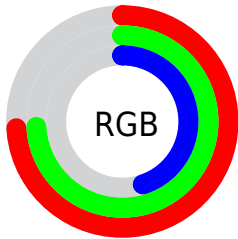
Format	Color
RYB	117, 189, 116
Decimal	12434548
CIELab	74.85, -10.41, 36.55
CIELCh	75, 37.999, 105.894
Yxy	48.0462, 0.3703, 0.4224
Android (android.graphics.Color)	4290624628 (0xFFBDBC74)
YUV	180.0910, -31.5969, 7.8132
Hunter-Lab	69.3154, -12.8301, 28.3540

Details

The XYZ color **42.1219, 48.0462, 23.5768** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **22.7491, 20.1093, 50.8267**, and the grayscale version is **43.5878, 45.8577, 49.9391**.

A 20% lighter version of the original color is **77.5182, 87.1588, 50.2738**, and **19.4789, 22.7896, 8.5264** is the 20% darker color. If you saturate the color by 10%, you get **41.0780, 47.5424, 18.3458**, and if you desaturate by 10%, it is **43.3920, 48.6441, 29.9878**.

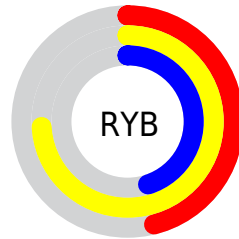
Distribution



Red (74%)

Green (74%)

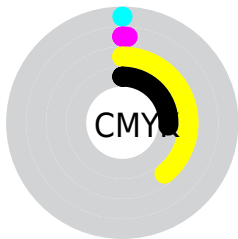
Blue (45%)



Red (46%)

Yellow (74%)

Blue (45%)

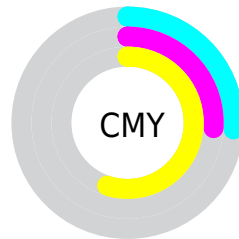


Cyan (0%)

Magenta (1%)

Yellow (39%)

Black (26%)



Cyan (26%)


Magenta (26%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.1219, 48.0462, 23.5768 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 42.1219, 48.0462, 23.5768 by changing the saturation by 10% instead.


 42.1219, 48.0462,
23.5768


 42.1219, 48.0462,
23.5768


345.9710,
378.9752, 283.8912


 29.3883, 33.8635,
14.8107


 77.6481, 87.2732,
50.2739

 19.5205, 22.7887,
8.5415


 101.1714,
113.0862, 69.0419

 12.1532, 14.4376,
4.3506

 129.0219,
143.5449, 91.9810

 6.9210, 8.4256,
1.8196

161.5651,
179.0334, 119.5097

 3.4587, 4.3685,
0.4408

199.1662,
219.9364, 152.0465

 1.4007, 1.8818,
0.0000

242.1907,

 0.2567, 0.5374,

266.6380, 190.0100

0.0000

291.0038,
319.5229, 233.8187

■ 0.0000, 0.0000,
0.0000

■ 42.1219, 48.0462,
23.5768

■ 42.1219, 48.0462,
23.5768

■ 41.0780, 47.5424,
18.3458

■ 43.3920, 48.6441,
29.9878

■ 40.2431, 47.1205,
14.2199

■ 44.8971, 49.3345,
37.6417

■ 39.6031, 46.7769,
11.1204


■ 46.6502, 50.1242,
46.6005


■ 39.1410, 46.5045,
8.9568


■ 48.6620, 51.0175,
56.9210


■ 38.8366, 46.2954,
7.6231


■ 50.9426, 52.0186,
68.6570

 38.6563, 46.1360,
6.9425

 53.5017, 53.1312,
81.8591

 38.6345, 46.1153,
6.8649

 56.3486, 54.3590,
96.5755

 57.4641, 54.8945,
102.1747

 57.5200, 55.0063,
102.1934

Harmonies

Analogous

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



48.9835, 48.0462, 23.3966



42.1219, 48.0462, 23.5768



36.7708, 48.0462, 30.0389

Triad

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



42.1219, 48.0462, 23.5768



37.0252, 48.0462, 84.6893



59.8103, 48.0462, 62.1522

Complementary

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



42.1219, 48.0462, 23.5768



22.7491, 20.1093, 50.8267

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.



55.8923, 48.0462, 83.5366



42.1219, 48.0462, 23.5768



42.5026, 48.0462, 98.6052

Square

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



42.1219, 48.0462, 23.5768



34.0374, 48.0462, 63.4481



49.4045, 48.0462, 98.1368



59.6819, 48.0462, 42.5654

Rectangle

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



42.1219, 48.0462, 23.5768



34.5754, 48.0462, 38.2545



49.4045, 48.0462, 98.1368



58.9069, 48.0462, 69.4549

Sweetspot

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



42.1231, 48.0484, 23.5778



82.3778, 89.2467, 77.4606



30.4557, 24.5996, 20.0402



17.6262, 19.1522, 16.2036



90.7827, 95.5105, 104.0109



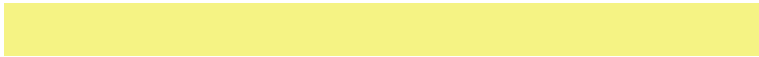
18.6292, 19.5994, 21.3438

Same Dimension

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



42.1231, 48.0484, 23.5778



73.8943, 85.3075, 34.4701



34.6229, 44.4986, 23.2879



10.3108, 11.0976, 10.1752



25.9994, 31.0376, 4.6205



1.0220, 1.2230, 0.1822

Inverse Universe

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



22.7491, 20.1093, 50.8267



34.4841, 28.4763, 89.9052



28.2463, 22.7720, 51.0509



9.0267, 9.2456, 11.9810



6.2036, 2.5189, 32.5521



0.2466, 0.1059, 1.2763

Previews

White Background



This preview shows how the XYZ color 42.1219, 48.0462, 23.5768 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 42.1219, 48.0462, 23.5768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

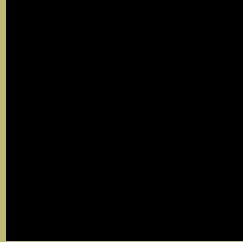
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.1219, 48.0462, 23.5768

Background



This preview shows how black text looks on a background with the XYZ color 42.1219, 48.0462, 23.5768.



This preview shows how white text looks on a background with the XYZ color 42.1219, 48.0462,

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

42.1219, 48.0462, 23.5768

Protanopia

44.3224, 47.9363, 23.1362

Deuteranopia

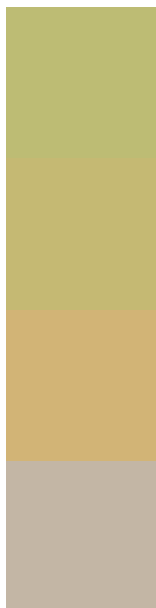
48.9793, 47.9122, 24.1192



Tritanopia

49.0344, 48.0962, 57.1512

Trichromacy



Original Color

42.1219, 48.0462, 23.5768

Protanomaly

43.4694, 47.8060, 23.1561

Deuteranomaly

46.1696, 47.6522, 23.9039

Tritanomaly

46.0252, 47.7746, 42.3929

Monochromacy



Original Color

42.1219, 48.0462, 23.5768

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

42.5477, 46.3686, 38.6058

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1219, 48.0462, 23.5768 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, 188, 116)` looks like.

```
.text, #text, p{  
    color:rgb(189, 188, 116)  
}
```

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, 188, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 188, 116) }
```

Border

The CSS property to change the border of an element to XYZ 42.1219, 48.0462, 23.5768 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, 188, 116) }
```


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

```
.border{ border-color:rgb(189, 188, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 188, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 188, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 188, 116);  
box-shadow:4px 4px 4px 4px rgb(189, 188,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1219, 48.0462, 23.5768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 188, 116) }
```

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

```
.background{ background-color: rgb(189,  
188, 116) }
```

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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