

Converting Colors

XYZ(42.9111, 49.1802, 23.6721)

Have a look what the booklet for
XYZ(42.9111, 49.1802, 23.6721)
contains.

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Color

**XYZ(42.8010, 49.0350,
23.7318)**

Conversions

Conversions Part 1

Format	Color
Hex	BEBE74
RGB	190, 190, 116
RGB Percent	75%, 75%, 45%
CMY	0.2549, 0.2549, 0.5451
CMYK	0.00, 0.00, 0.39, 0.25
HSL	60°, 36%, 60%
HSV	60°, 39%, 75%
XYZ	42.8010, 49.0350, 23.7318
YIQ	181.5640, 23.7540, -23.0140

Conversions

Conversions Part 2

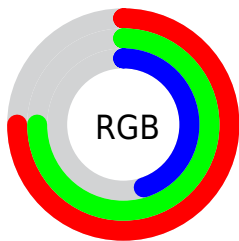
Format	Color
RYB	116, 190, 116
Decimal	12500596
CIELab	75.47, -11.04, 37.35
CIELCh	75, 38.947, 106.462
Yxy	49.0350, 0.3704, 0.4243
Android (android.graphics.Color)	4290690676 (0xFFBEBE74)
YUV	181.5640, -32.3231, 7.3984
Hunter-Lab	70.0250, -13.4402, 28.9238

Details

The XYZ color **42.8010, 49.0350, 23.7318** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **22.7439, 19.9227, 51.3648**, and the grayscale version is **44.3884, 46.7000, 50.8563**.

A 20% lighter version of the original color is **78.4750, 88.5503, 50.4920**, and **19.9207, 23.4356, 8.6278** is the 20% darker color. If you saturate the color by 10%, you get **41.8071, 48.6391, 18.4945**, and if you desaturate by 10%, it is **44.0234, 49.5257, 30.1617**.

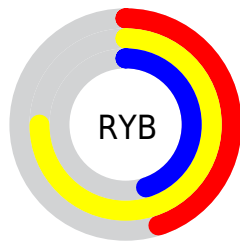
Distribution



Red (75%)

Green (75%)

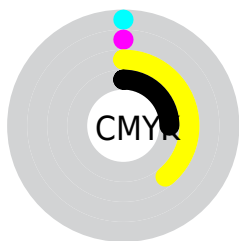
Blue (45%)



Red (45%)

Yellow (75%)

Blue (45%)

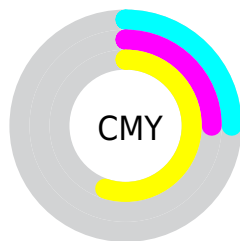


Cyan (0%)

Magenta (0%)

Yellow (39%)

Black (25%)



Cyan (25%)

Magenta (25%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8010, 49.0350, 23.7318 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 42.8010, 49.0350, 23.7318 by changing the saturation by 10% instead.

■ 42.8010, 49.0350,
23.7318

■ 42.8010, 49.0350,
23.7318

348.7281,
382.8801, 284.7045

■ 29.9229, 34.6472,
14.9244

■ 78.6681, 88.7434,
50.5305

■ 19.9278, 23.3913,
8.6203

■ 102.3877,
114.8329, 69.3589

■ 12.4505, 14.8827,
4.4010

■ 130.4518,
145.5917, 92.3648

■ 7.1257, 8.7371,
1.8478

163.2259,
181.4043, 119.9666

■ 3.5878, 4.5701,
0.4592

201.0752,
222.6550, 152.5830

■ 1.4717, 1.9973,
0.0000

244.3651,

■ 0.3065, 0.6059,

269.7283, 190.6324

0.0000

293.4610,
323.0085, 234.5334

■ 0.0000, 0.0000,
0.0000

■ 42.8010, 49.0350,
23.7318

■ 42.8010, 49.0350,
23.7318

■ 41.8071, 48.6391,
18.4945

■ 44.0234, 49.5257,
30.1617

■ 41.0242, 48.3260,
14.3736

■ 45.4834, 50.1098,
37.8481

■ 40.4381, 48.0915,
11.2890


■ 47.1939, 50.7940,
46.8538


■ 40.0314, 47.9287,
9.1488


■ 49.1659, 51.5829,
57.2367


■ 39.7834, 47.8295,
7.8447


■ 51.4098, 52.4805,
69.0512


 39.6586, 47.7796,
7.1895

 53.9354, 53.4907,
82.3487

 39.6476, 47.7752,
7.1319

 56.7518, 54.6173,
97.1781

 57.7024, 54.9976,
102.1821

 57.7027, 54.9978,
102.1821

Harmonies

Analogous

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



49.9148, 49.0350, 23.4289



42.8010, 49.0350, 23.7318



37.2940, 49.0350, 30.5160

Triad

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



42.8010, 49.0350, 23.7318



37.7251, 49.0350, 87.5043



61.3648, 49.0350, 63.1960

Complementary

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



42.8010, 49.0350, 23.7318



22.7439, 19.9227, 51.3648

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.



57.3525, 49.0350, 85.5356



42.8010, 49.0350, 23.7318



43.4473, 49.0350, 101.8185

Square

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



42.8010, 49.0350, 23.7318



34.5761, 49.0350, 65.4024



50.6307, 49.0350, 101.0173



61.1460, 49.0350, 42.9480

Rectangle

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



42.8010, 49.0350, 23.7318



35.0561, 49.0350, 39.1008



50.6307, 49.0350, 101.0173



60.4499, 49.0350, 70.7966

Sweetspot

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



42.8022, 49.0372, 23.7328



84.4600, 91.6179, 79.3346



30.6346, 24.7000, 19.6766



18.4552, 20.0819, 16.9398



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



42.8022, 49.0372, 23.7328



75.9495, 88.2134, 34.5306



34.7046, 44.8628, 23.3539



10.3222, 11.1205, 10.1791



26.3619, 31.7660, 4.7420



1.0326, 1.2443, 0.1857

Inverse Universe

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



22.7439, 19.9227, 51.3648



34.3479, 27.8289, 91.8403



28.6780, 22.9818, 51.6425



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 42.8010, 49.0350, 23.7318 looks on a white background.

Color Contrast Check

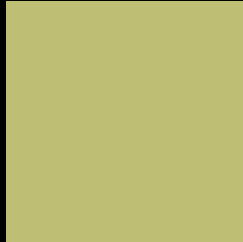
Large Text (above 18pt) WCAG AA × Fail

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 42.8010, 49.0350, 23.7318 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

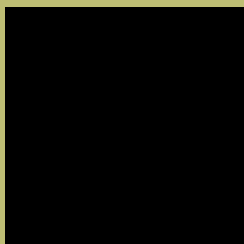
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.8010, 49.0350, 23.7318

Background



This preview shows how black text looks on a background with the XYZ color 42.8010, 49.0350, 23.7318.



This preview shows how white text looks on a background with the XYZ color 42.8010, 49.0350,

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

42.8010, 49.0350, 23.7318

Protanopia

45.2248, 49.0292, 22.9996

Deuteranopia

49.9906, 49.0200, 24.2798



Tritanopia

49.9274, 49.1300, 58.4813

Trichromacy



Original Color

42.8010, 49.0350, 23.7318

Protanomaly

44.1535, 48.7842, 23.3088

Deuteranomaly

47.1493, 48.7610, 24.0663

Tritanomaly

46.7884, 48.7699, 43.0239

Monochromacy



Original Color

42.8010, 49.0350, 23.7318

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

43.5281, 47.4808, 39.2183

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8010, 49.0350, 23.7318 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(190, 190, 116)` looks like.

```
.text, #text, p{  
    color:rgb(190, 190, 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(190, 190, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 190, 116) }
```

Border

The CSS property to change the border of an element to XYZ 42.8010, 49.0350, 23.7318 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(190, 190, 116) }
```


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

```
.border{ border-color:rgb(190, 190, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 190, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 190, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 190, 116);  
box-shadow:4px 4px 4px 4px rgb(190, 190,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8010, 49.0350, 23.7318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 190, 116) }
```

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

```
.background{ background-color: rgb(190,  
190, 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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