

Converting Colors

XYZ(42.1394, 48.5091, 13.1710)

Have a look what the booklet for
XYZ(42.1394, 48.5091, 13.1710)
contains.

XYZ(42.0999, 48.5859, 13.1203)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.0999, 48.5859,
13.1203)**

Conversions

Conversions Part 1

Format	Color
Hex	C4BD47
RGB	196, 189, 71
RGB Percent	77%, 74%, 28%
CMY	0.2314, 0.2588, 0.7216
CMYK	0.00, 0.04, 0.64, 0.23
HSL	57°, 51%, 52%
HSV	57°, 64%, 77%
XYZ	42.0999, 48.5859, 13.1203
YIQ	177.6410, 42.0500, -35.2140

Conversions

Conversions Part 2

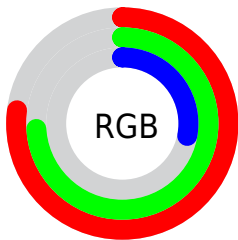
Format	Color
RYB	78, 196, 71
Decimal	12893511
CIELab	75.19, -11.93, 58.44
CIElCh	75, 59.650, 101.540
Yxy	48.5859, 0.4056, 0.4680
Android (android.graphics.Color)	4291083591 (0xFFC4BD47)
YUV	177.6410, -52.5740, 16.1008
Hunter-Lab	69.7036, -14.1700, 37.6324

Details

The XYZ color **42.0999, 48.5859, 13.1203** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted orange. A complement of this color would be **15.2868, 10.7737, 53.4982**, and the grayscale version is **42.3817, 44.5888, 48.5572**.

A 20% lighter version of the original color is **77.5941, 88.0455, 32.3069**, and **19.4845, 23.1104, 3.6061** is the 20% darker color. If you saturate the color by 10%, you get **41.3350, 47.9057, 10.2469**, and if you desaturate by 10%, it is **43.0717, 49.3554, 17.0645**.

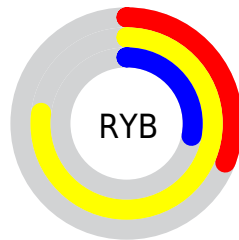
Distribution



Red (77%)

Green (74%)

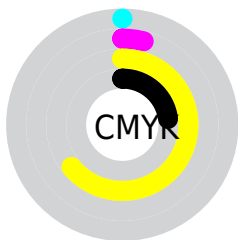
Blue (28%)



Red (31%)

Yellow (77%)

Blue (28%)

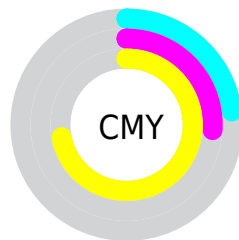


Cyan (0%)

Magenta (4%)

Yellow (64%)

Black (23%)



Cyan (23%)

Magenta (26%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0999, 48.5859, 13.1203 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 42.0999, 48.5859, 13.1203 by changing the saturation by 10% instead.

■ 42.0999, 48.5859,
13.1203

■ 42.0999, 48.5859,
13.1203

345.8815,
381.1098, 222.9221

■ 29.3710, 34.2911,
7.3797

■ 77.6150, 88.0761,
32.2141

■ 19.5073, 23.1173,
3.6187

■ 101.1319,
114.0403, 46.4044

■ 12.1436, 14.6802,
1.4186

■ 128.9755,
144.6631, 64.2484

■ 6.9145, 8.5952,
0.1561

■ 161.5112,
180.3289, 86.1645

■ 3.4545, 4.4781,
0.0000

■ 199.1042,
221.4221, 112.5715

■ 1.3984, 1.9444,
0.0000

242.1201,

■ 0.2551, 0.5749,

268.3270, 143.8876

0.0000

290.9240,
321.4281, 180.5317

■ 0.0000, 0.0000,
0.0000

■ 42.0999, 48.5859,
13.1203

■ 42.0999, 48.5859,
13.1203

■ 41.3350, 47.9057,
10.2469

■ 43.0717, 49.3554,
17.0645

■ 40.7533, 47.2998,
8.3344

■ 44.2646, 50.2143,
22.1693

■ 40.3314, 46.7606,
7.2544

■ 45.6955, 51.1713,
28.5186

■ 40.1206, 46.4471,
6.8506

■ 47.3787, 52.2321,
36.1875

■ 49.3274, 53.4020,
45.2455

■ 51.5537, 54.6859,
55.7568

■ 54.0693, 56.0882,
67.7820

■ 56.8848, 57.6135,
81.3779

■ 60.0105, 59.2658,
96.5987

Harmonies

Analogous

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



53.1613, 48.5859, 13.8768



42.0999, 48.5859, 13.1203



33.5936, 48.5859, 19.4211

Triad

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



42.0999, 48.5859, 13.1203



32.1632, 48.5859, 103.7178



69.1296, 48.5859, 74.3484

Complementary

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



42.0999, 48.5859, 13.1203



15.2868, 10.7737, 53.4982

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.



61.5713, 48.5859, 111.9770



42.0999, 48.5859, 13.1203



39.8373, 48.5859, 133.0317

Square

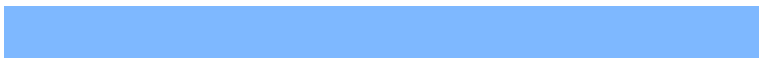
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



42.0999, 48.5859, 13.1203



28.4917, 48.5859, 65.8846



50.5144, 48.5859, 136.5402



69.9926, 48.5859, 41.7474

Rectangle

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



42.0999, 48.5859, 13.1203



30.0527, 48.5859, 29.0840



50.5144, 48.5859, 136.5402



67.2380, 48.5859, 87.0943

Sweetspot

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



42.1010, 48.5882, 13.1213



87.3487, 95.5454, 72.5818



26.4419, 16.8120, 9.3129



18.4828, 20.3214, 14.5469



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.



42.1010, 48.5882, 13.1213



74.3750, 86.2813, 16.8242



32.0042, 45.6708, 13.0904



10.8636, 11.6586, 10.7396



25.8007, 29.8872, 4.4090



1.1297, 1.3213, 0.1955

Inverse Universe

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



15.2868, 10.7737, 53.4982



22.0005, 12.4742, 95.8559



20.6993, 12.8651, 53.6166



9.5725, 9.8364, 12.6789



6.4998, 2.7560, 33.7460



0.2968, 0.1509, 1.4634

Previews

White Background



This preview shows how the XYZ color 42.0999, 48.5859, 13.1203 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 42.0999, 48.5859, 13.1203 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 42.0999, 48.5859, 13.1203

Background



This preview shows how black text looks on a background with the XYZ color 42.0999, 48.5859, 13.1203.



This preview shows how white text looks on a background with the XYZ color 42.0999, 48.5859,

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

42.0999, 48.5859, 13.1203

Protanopia

44.1866, 48.4055, 12.8087

Deuteranopia

49.4285, 48.3817, 13.3900



Tritanopia

50.8582, 48.4713, 55.9656

Trichromacy



Original Color

42.0999, 48.5859, 13.1203

Protanomaly

43.2930, 48.2565, 12.8270

Deuteranomaly

46.6733, 48.4476, 13.3699

Tritanomaly

46.4189, 47.8508, 34.3934

Monochromacy



Original Color

42.0999, 48.5859, 13.1203

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

41.3957, 45.6343, 31.0526

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0999, 48.5859, 13.1203 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(196, 189, 71)` looks like.

```
.text, #text, p{  
    color:rgb(196, 189, 71)  
}
```

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(196, 189, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 189, 71) }
```

Border

The CSS property to change the border of an element to XYZ 42.0999, 48.5859, 13.1203 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(196, 189, 71) }
```


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

```
.border{ border-color:rgb(196, 189, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 189, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 189, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 189, 71);  
box-shadow:4px 4px 4px 4px rgb(196, 189,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0999, 48.5859, 13.1203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 189, 71) }
```

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

```
.background{ background-color: rgb(196,  
189, 71) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor