

Converting Colors

XYZ(48.3099, 52.1737, 39.8721)

Have a look what the booklet for
XYZ(48.3099, 52.1737, 39.8721)
contains.

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Color

**XYZ(48.3099, 52.1737,
39.8721)**

Conversions

Conversions Part 1

Format	Color
Hex	C6C09E
RGB	198, 192, 158
RGB Percent	78%, 75%, 62%
CMY	0.2235, 0.2470, 0.3804
CMYK	0.00, 0.03, 0.20, 0.22
HSL	51°, 26%, 70%
HSV	51°, 20%, 78%
XYZ	48.3099, 52.1737, 39.8721
YIQ	189.9180, 14.4900, -9.3020

Conversions

Conversions Part 2

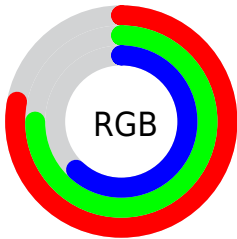
Format	Color
R_{YB}	165, 198, 158
Decimal	13025438
CIE _{Lab}	77.38, -3.49, 17.92
CIE _{LCh}	77, 18.258, 101.028
Yxy	52.1737, 0.3442, 0.3717
Android (android.graphics.Color)	4291215518 (0xFFC6C09E)
YUV	189.9180, -15.7356, 7.0879
Hunter-Lab	72.2314, -7.0202, 17.8336

Details

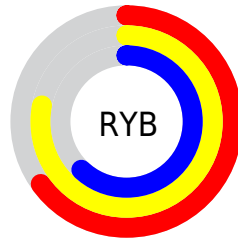
The XYZ color **48.3099, 52.1737, 39.8721** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **37.5689, 37.8963, 58.7610**, and the grayscale version is **48.9794, 51.5301, 56.1163**.

A 20% lighter version of the original color is **86.8176, 93.1989, 76.3642**, and **23.3881, 25.4561, 17.5907** is the 20% darker color. If you saturate the color by 10%, you get **46.0965, 50.2579, 31.3926**, and if you desaturate by 10%, it is **50.8138, 54.2303, 49.8045**.

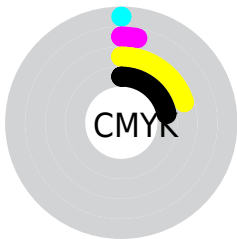
Distribution



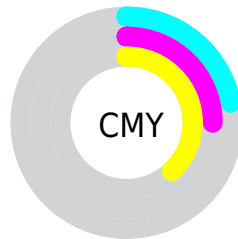
- Red (78%)
- Green (75%)
- Blue (62%)



- Red (65%)
- Yellow (78%)
- Blue (62%)



- Cyan (0%)
- Magenta (3%)
- Yellow (20%)
- Black (22%)



- Cyan (22%)
- Magenta (25%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.3099, 52.1737, 39.8721 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 48.3099, 52.1737, 39.8721 by changing the saturation by 10% instead.

■ 48.3099, 52.1737,
39.8721

■ 48.3099, 52.1737,
39.8721

370.5814,
395.1068, 361.1203

■ 34.2846, 37.1435,
27.1258

■ 86.8725, 93.3874,
76.2037

■ 23.2763, 25.3187,
17.4345

■ 112.1406,
120.3397, 100.6260

■ 14.9195, 16.3146,
10.3795

141.8870,
152.0348, 129.7775

■ 8.8488, 9.7471,
5.5424

176.4771,
188.8572, 164.0766

■ 4.6990, 5.2316,
2.5047

216.2763,
231.1911, 203.9419

■ 2.1047, 2.3838,
0.8426

261.6498,

■ 0.6918, 0.8175,

279.4212, 249.7919

0.0000

312.9630,
333.9316, 302.0452

■ 0.0000, 0.0000,
0.0000

■ 48.3099, 52.1737,
39.8721

■ 48.3099, 52.1737,
39.8721

■ 46.0965, 50.2579,
31.3926

■ 50.8138, 54.2303,
49.8045

■ 44.1563, 48.4705,
24.2934

■ 53.6165, 56.4257,
61.2509

■ 42.4764, 46.8081,
18.5009

■ 56.7308, 58.7671,
74.2731

■ 41.0412, 45.2641,
13.9331

■ 60.1678, 61.2590,
88.9284

■ 39.8333, 43.8316,
10.4988

■ 63.6139, 63.7759,
103.5649

■ 38.8328, 42.5025,
8.0941

■ 64.3390, 65.2261,
103.8066

■ 38.0163, 41.2673,
6.5959

■ 65.0776, 66.7035,
104.0528

■ 37.3511, 40.1304,
5.7773

■ 65.8300, 68.2082,
104.3036

■ 66.5961, 69.7403,
104.5590

Harmonies

Analogous

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



51.8159, 52.1737, 40.4219



48.3099, 52.1737, 39.8721



45.2905, 52.1737, 43.4405

Triad

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



48.3099, 52.1737, 39.8721



44.6710, 52.1737, 70.4622



56.2487, 52.1737, 63.3259

Complementary

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



48.3099, 52.1737, 39.8721



37.5689, 37.8963, 58.7610

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.



54.1524, 52.1737, 72.6706



48.3099, 52.1737, 39.8721



47.4278, 52.1737, 77.1145

Square

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



48.3099, 52.1737, 39.8721



43.2565, 52.1737, 60.5858



50.8916, 52.1737, 77.9672



56.5123, 52.1737, 53.1911

Rectangle

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



48.3099, 52.1737, 39.8721



43.9171, 52.1737, 47.9518



50.8916, 52.1737, 77.9672



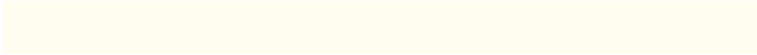
55.7305, 52.1737, 66.6932

Sweetspot

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



48.3113, 52.1760, 39.8732



91.9564, 97.5990, 96.1965



42.2169, 39.1405, 40.4525



19.6130, 20.8355, 20.3072



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.



48.3113, 52.1760, 39.8732



83.8583, 90.9523, 64.0570



46.1332, 53.0475, 40.1562



11.3832, 12.1356, 11.3052



24.3400, 26.1972, 3.7737



1.1903, 1.3160, 0.1913

Inverse Universe

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



37.5689, 37.8963, 58.7610



61.5964, 61.3621, 103.2053



39.4338, 37.3023, 58.5480



10.1829, 10.5398, 13.4152



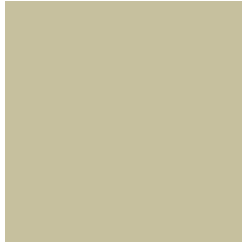
6.9650, 3.3240, 35.0189



0.3720, 0.2417, 1.6722

Previews

White Background



This preview shows how the XYZ color 48.3099, 52.1737, 39.8721 looks on a white background.

Color Contrast Check

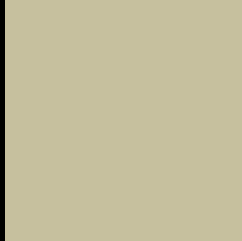
Large Text (above 18pt) WCAG AA × Fail

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 48.3099, 52.1737, 39.8721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

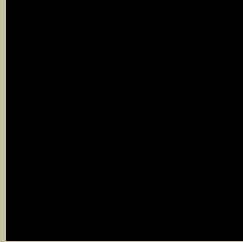
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.3099, 52.1737, 39.8721

Background



This preview shows how black text looks on a background with the XYZ color 48.3099, 52.1737, 39.8721.



This preview shows how white text looks on a background with the XYZ color 48.3099, 52.1737, 39.8721.

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

48.3099, 52.1737, 39.8721

Protanopia

49.0737, 52.2525, 39.3976

Deuteranopia

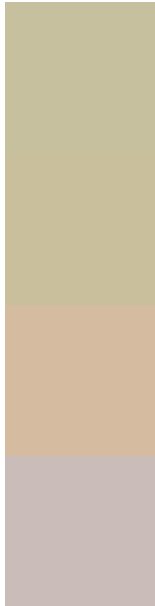
53.3044, 52.1912, 40.5222



Tritanopia

53.0034, 52.1722, 62.5350

Trichromacy



Original Color

48.3099, 52.1737, 39.8721

Protanomaly

48.8040, 52.1134, 39.3849

Deuteranomaly

51.4689, 52.1900, 40.1619

Tritanomaly

51.0973, 52.0258, 53.2478

Monochromacy



Original Color

48.3099, 52.1737, 39.8721

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.6590, 51.8134, 49.5559

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3099, 52.1737, 39.8721 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(198, 192, 158)` looks like.

```
.text, #text, p{  
    color:rgb(198, 192, 158)  
}
```

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(198, 192, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 192, 158) }
```

Border

The CSS property to change the border of an element to XYZ 48.3099, 52.1737, 39.8721 is called "border". The border property can be set on classes, ids or directly on the HTML element.

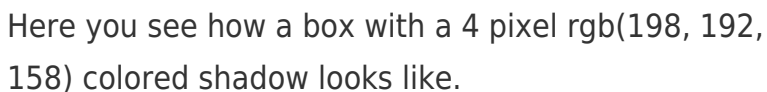
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(198, 192, 158) }
```


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

```
.border{ border-color:rgb(198, 192, 158) }
```

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



Here you see how a box with a 4 pixel `rgb(198, 192, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(198, 192, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(198, 192, 158); box-shadow:4px 4px 4px 4px rgb(198, 192, 158) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3099, 52.1737, 39.8721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 192, 158) }
```

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

```
.background{ background-color: rgb(198,  
192, 158) }
```

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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