

Converting Colors

XYZ(40.5839, 43.0199, 10.0356)

Have a look what the booklet for
XYZ(40.5839, 43.0199, 10.0356)
contains.

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Color

**XYZ(40.5839, 43.0199,
10.0356)**

Conversions

Conversions Part 1

Format	Color
Hex	CCAD39
RGB	204, 173, 57
RGB Percent	80%, 68%, 22%
CMY	0.2000, 0.3215, 0.7765
CMYK	0.00, 0.15, 0.72, 0.20
HSL	47°, 59%, 51%
HSV	47°, 72%, 80%
XYZ	40.5839, 43.0199, 10.0356
YIQ	169.0450, 55.7120, -29.5040

Conversions

Conversions Part 2

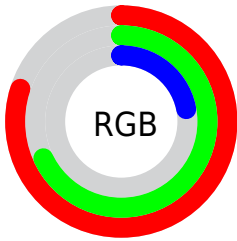
Format	Color
RYB	96, 204, 57
Decimal	13413689
CIELab	71.57, -0.94, 60.64
CIELCh	72, 60.645, 90.890
Yxy	43.0199, 0.4334, 0.4594
Android (android.graphics.Color)	4291603769 (0xFFCCAD39)
YUV	169.0450, -55.2382, 30.6555
Hunter-Lab	65.5896, -4.3339, 36.8410

Details

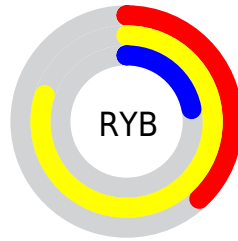
The XYZ color **40.5839, 43.0199, 10.0356** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **16.0761, 12.2087, 58.6355**, and the grayscale version is **37.9809, 39.9589, 43.5152**.

A 20% lighter version of the original color is **71.8526, 77.8945, 26.2870**, and **18.6914, 19.7857, 2.8339** is the 20% darker color. If you saturate the color by 10%, you get **39.3624, 41.2344, 7.6023**, and if you desaturate by 10%, it is **42.0383, 44.9444, 13.5557**.

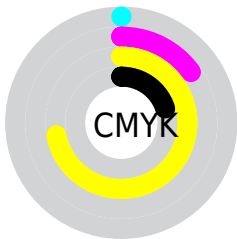
Distribution



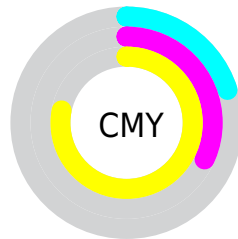
- Red (80%)
- Green (68%)
- Blue (22%)



- Red (38%)
- Yellow (80%)
- Blue (22%)



- Cyan (0%)
- Magenta (15%)
- Yellow (72%)
- Black (20%)





- Cyan (20%)
- Magenta (32%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.5839, 43.0199, 10.0356 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 40.5839, 43.0199, 10.0356 by changing the saturation by 10% instead.


 40.5839, 43.0199,
10.0356


 40.5839, 43.0199,
10.0356


339.6709,
358.6936, 201.4200


 28.1803, 29.9007,
5.3167


 75.3305, 79.7409,
26.4713

 18.6028, 19.7633,
2.3723


 98.4043, 104.1115,
39.0251


 11.4859, 12.2231,
0.7713


 125.7656,
133.0014, 55.0277

 6.4644, 6.8958,
0.0000

 157.7796,
166.7949, 74.8975

 3.1728, 3.3970,
0.0000

 194.8118,
205.8765, 99.0531

 1.2458, 1.3423,
0.0000

237.2275,

 0.1421, 0.1736,

250.6306, 127.9130

0.0000

285.3921,
301.4415, 161.8958

■ 0.0000, 0.0000,
0.0000

■ 40.5839, 43.0199,
10.0356

■ 40.5839, 43.0199,
10.0356

■ 39.3624, 41.2344,
7.6023

■ 42.0383, 44.9444,
13.5557

■ 38.3444, 39.5707,
6.1152

■ 43.7448, 47.0110,
18.2752

■ 37.6441, 38.3222,
5.4129

■ 45.7236, 49.2298,
24.2956

■ 47.9921, 51.6080,
31.7065

■ 50.5659, 54.1525,
40.5900

■ 53.4597, 56.8693,
51.0215

■ 56.6870, 59.7643,
63.0713

■ 60.2606, 62.8428,
76.8054

■ 64.1925, 66.1102,
92.2861

Harmonies

Analogous

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



51.2465, 43.0199, 12.8082



40.5839, 43.0199, 10.0356



31.5825, 43.0199, 13.1809

Triad

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



40.5839, 43.0199, 10.0356



26.2005, 43.0199, 82.2059



60.6389, 43.0199, 80.0173

Complementary

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



40.5839, 43.0199, 10.0356



16.0761, 12.2087, 58.6355

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.



51.8650, 43.0199, 113.8958



40.5839, 43.0199, 10.0356



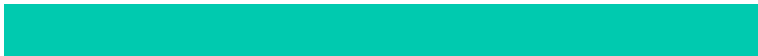
32.0307, 43.0199, 115.4877

Square

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



40.5839, 43.0199, 10.0356



24.1788, 43.0199, 47.7232



41.1959, 43.0199, 128.9816



63.9312, 43.0199, 45.9705

Rectangle

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



40.5839, 43.0199, 10.0356



27.4236, 43.0199, 19.4949



41.1959, 43.0199, 128.9816



58.1678, 43.0199, 92.2321

Sweetspot

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



40.5849, 43.0220, 10.0365



83.6391, 89.5827, 66.8549



28.1620, 16.4827, 11.1161



17.6412, 18.9210, 13.3945



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.



40.5849, 43.0220, 10.0365



64.2957, 66.8692, 11.1634



37.3029, 51.1990, 11.7878



11.9453, 12.6795, 11.8972



23.7632, 24.2594, 3.4301



1.2775, 1.3548, 0.1942

Inverse Universe

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



16.0761, 12.2087, 58.6355



21.7798, 13.6151, 96.0878



17.4701, 9.9194, 58.1201



10.7903, 11.2210, 14.1675



7.4595, 3.9430, 36.3242



0.4414, 0.3166, 1.8928

Previews

White Background



This preview shows how the XYZ color 40.5839, 43.0199, 10.0356 looks on a white background.

Color Contrast Check

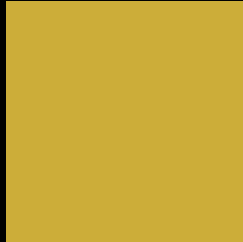
Large Text (above 18pt) WCAG AA × Fail

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 40.5839, 43.0199, 10.0356 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 40.5839, 43.0199, 10.0356

Background



This preview shows how black text looks on a background with the XYZ color 40.5839, 43.0199, 10.0356.



This preview shows how white text looks on a background with the XYZ color 40.5839, 43.0199,

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

40.5839, 43.0199, 10.0356

Protanopia

39.0540, 43.0919, 10.2622

Deuteranopia

43.8216, 43.0133, 10.1304



Tritanopia

48.0009, 43.0428, 45.8226

Trichromacy



Original Color

40.5839, 43.0199, 10.0356

Protanomaly

39.6469, 43.1075, 10.2340

Deuteranomaly

42.6832, 42.9776, 10.0488

Tritanomaly

44.3113, 42.6128, 27.3624

Monochromacy



Original Color

40.5839, 43.0199, 10.0356

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

37.5624, 40.2530, 26.2119

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5839, 43.0199, 10.0356 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(204, 173, 57)` looks like.

```
.text, #text, p{  
    color:rgb(204, 173, 57)  
}
```

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(204, 173, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 173, 57) }
```

Border

The CSS property to change the border of an element to XYZ 40.5839, 43.0199, 10.0356 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(204, 173, 57) }
```


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

```
.border{ border-color:rgb(204, 173, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 173, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 173, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 173, 57);  
box-shadow:4px 4px 4px 4px rgb(204, 173,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5839, 43.0199, 10.0356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 173, 57) }
```

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

```
.background{ background-color: rgb(204,  
173, 57) }
```

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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