

Converting Colors

XYZ(40.2729, 43.3553, 9.6125)

Have a look what the booklet for
XYZ(40.2729, 43.3553, 9.6125)
contains.

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Color

**XYZ(40.3297, 43.4735,
9.6338)**

Conversions

Conversions Part 1

Format	Color
Hex	CAAF35
RGB	202, 175, 53
RGB Percent	79%, 69%, 21%
CMY	0.2078, 0.3137, 0.7921
CMYK	0.00, 0.13, 0.74, 0.21
HSL	49°, 58%, 50%
HSV	49°, 74%, 79%
XYZ	40.3297, 43.4735, 9.6338
YIQ	169.1650, 55.2540, -32.2180

Conversions

Conversions Part 2

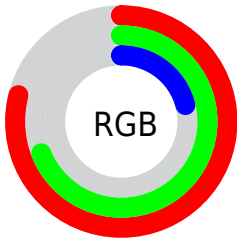
Format	Color
RYB	86, 202, 53
Decimal	13283125
CIELab	71.88, -3.05, 62.39
CIElCh	72, 62.463, 92.800
Yxy	43.4735, 0.4316, 0.4653
Android (android.graphics.Color)	4291473205 (0xFFCAAF35)
YUV	169.1650, -57.2693, 28.7963
Hunter-Lab	65.9344, -6.2033, 37.4911

Details

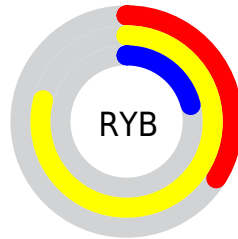
The XYZ color **40.3297, 43.4735, 9.6338** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **14.9976, 10.7584, 57.1629**, and the grayscale version is **38.0505, 40.0320, 43.5949**.

A 20% lighter version of the original color is **72.2436, 78.9363, 25.6159**, and **18.5846, 20.0952, 2.8993** is the 20% darker color. If you saturate the color by 10%, you get **39.2570, 41.9218, 7.4472**, and if you desaturate by 10%, it is **41.6194, 45.1463, 12.8595**.

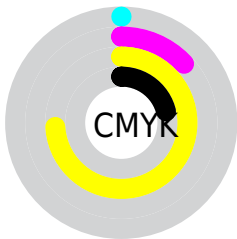
Distribution



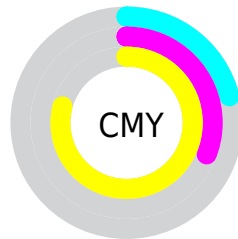
- Red (79%)
- Green (69%)
- Blue (21%)



- Red (34%)
- Yellow (79%)
- Blue (21%)



- Cyan (0%)
- Magenta (13%)
- Yellow (74%)
- Black (21%)



- Cyan (21%)
- Magenta (31%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.3297, 43.4735, 9.6338 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 40.3297, 43.4735, 9.6338 by changing the saturation by 10% instead.

40.3297, 43.4735,
9.6338

40.3297, 43.4735,
9.6338

338.6219,
360.5554, 198.4270

27.9811, 30.2568,
5.0544

74.9465, 80.4249,
25.7014

18.4518, 20.0336,
2.2199

97.9453, 104.9284,
38.0266

11.3765, 12.4195,
0.6858

125.2249,
133.9630, 53.7709

6.3898, 7.0300,
0.0000

157.1506,
167.9130, 73.3528

3.1264, 3.4809,
0.0000

194.0878,
207.1628, 97.1908

1.2210, 1.3876,
0.0000

236.4019,

0.1228, 0.2076,

252.0969, 125.7035

0.0000

284.4581,
303.0997, 159.3094

■ 0.0000, 0.0000,
0.0000

■ 40.3297, 43.4735,
9.6338

■ 40.3297, 43.4735,
9.6338

■ 39.2570, 41.9218,
7.4472

■ 41.6194, 45.1463,
12.8595

■ 38.3718, 40.4739,
6.1574

■ 43.1453, 46.9431,
17.2370

■ 37.8848, 39.6121,
5.6492

■ 44.9274, 48.8737,
22.8674

■ 46.9829, 50.9452,
29.8399

■ 49.3273, 53.1642,
38.2356

■ 51.9749, 55.5365,
48.1291

■ 54.9390, 58.0676,
59.5898

■ 58.2321, 60.7629,
72.6828

■ 61.8660, 63.6272,
87.4694

Harmonies

Analogous

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



51.3865, 43.4735, 12.0239



40.3297, 43.4735, 9.6338



31.2063, 43.4735, 13.2078

Triad

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



40.3297, 43.4735, 9.6338



26.4089, 43.4735, 86.6599



62.2992, 43.4735, 79.4562

Complementary

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



40.3297, 43.4735, 9.6338



14.9976, 10.7584, 57.1629

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.



53.4127, 43.4735, 115.5706



40.3297, 43.4735, 9.6338



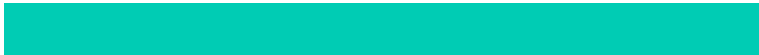
32.6627, 43.4735, 120.8340

Square

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



40.3297, 43.4735, 9.6338



24.0807, 43.4735, 50.2531



42.3269, 43.4735, 133.1952



65.2860, 43.4735, 44.5326

Rectangle

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



40.3297, 43.4735, 9.6338



27.0825, 43.4735, 20.0286



42.3269, 43.4735, 133.1952



59.8357, 43.4735, 92.2879

Sweetspot

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



40.3307, 43.4756, 9.6347



84.1400, 90.5846, 67.0219



27.0901, 15.6870, 9.2517



17.7608, 19.1601, 13.4344



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.



40.3307, 43.4756, 9.6347



65.4670, 69.3777, 11.0425



35.2457, 49.4484, 11.0556



11.9743, 12.7375, 11.9069



24.4383, 25.6096, 3.6551



1.3070, 1.4136, 0.2040

Inverse Universe

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



14.9976, 10.7584, 57.1629



20.6687, 11.7445, 95.7853



17.2101, 9.5308, 56.8094



10.7634, 11.1673, 14.1586



7.3250, 3.6741, 36.2794



0.4291, 0.2920, 1.8887

Previews

White Background



This preview shows how the XYZ color 40.3297, 43.4735, 9.6338 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 40.3297, 43.4735, 9.6338 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 40.3297, 43.4735, 9.6338

Background



This preview shows how black text looks on a background with the XYZ color 40.3297, 43.4735, 9.6338.

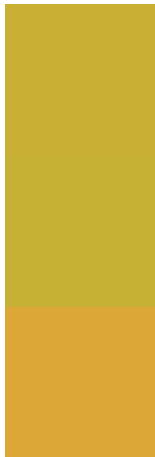


This preview shows how white text looks on a background with the XYZ color 40.3297, 43.4735,

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

40.3297, 43.4735, 9.6338

Protanopia

39.6534, 43.7071, 9.7145

Deuteranopia

44.3513, 43.2951, 9.7606



Tritanopia

47.7976, 43.1779, 46.8892

Trichromacy



Original Color

40.3297, 43.4735, 9.6338

Protanomaly

39.7211, 43.4498, 9.6613

Deuteranomaly

42.7959, 43.3214, 9.7207

Tritanomaly

43.9279, 42.6860, 27.3967

Monochromacy



Original Color

40.3297, 43.4735, 9.6338

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

37.4497, 40.4819, 25.9186

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3297, 43.4735, 9.6338 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(202, 175, 53)` looks like.

```
.text, #text, p{  
    color:rgb(202, 175, 53)  
}
```

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(202, 175, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 175, 53) }
```

Border

The CSS property to change the border of an element to XYZ 40.3297, 43.4735, 9.6338 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(202, 175, 53) }
```


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

```
.border{ border-color:rgb(202, 175, 53) }
```

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

Here you see how a box with a 4 pixel rgb(202, 175, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 175, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 175, 53);  
box-shadow:4px 4px 4px 4px rgb(202, 175,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 40.3297, 43.4735, 9.6338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 175, 53) }
```

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

```
.background{ background-color: rgb(202,  
175, 53) }
```

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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