

Converting Colors

XYZ(41.9781, 38.9201, 10.7687)

Have a look what the booklet for
XYZ(41.9781, 38.9201, 10.7687)
contains.

XYZ(41.9781, 38.9201, 10.7687)	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(41.9781, 38.9201,
10.7687)**

Conversions

Conversions Part 1

Format	Color
Hex	DB9B44
RGB	219, 155, 68
RGB Percent	86%, 61%, 27%
CMY	0.1412, 0.3921, 0.7333
CMYK	0.00, 0.29, 0.69, 0.14
HSL	35°, 68%, 56%
HSV	35°, 69%, 86%
XYZ	41.9781, 38.9201, 10.7687
YIQ	164.2180, 66.0710, -13.4890

Conversions

Conversions Part 2

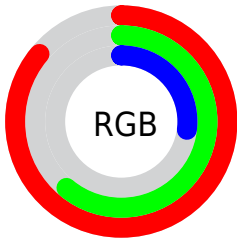
Format	Color
RYB	179, 219, 68
Decimal	14392132
CIELab	68.69, 15.71, 53.53
CIElCh	69, 55.791, 73.641
Yxy	38.9201, 0.4579, 0.4246
Android (android.graphics.Color)	4292582212 (0xFFDB9B44)
YUV	164.2180, -47.4355, 48.0438
Hunter-Lab	62.3860, 10.9331, 33.4359

Details

The XYZ color **41.9781, 38.9201, 10.7687** 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 **23.4208, 22.8448, 70.1924**, and the grayscale version is **35.5883, 37.4417, 40.7740**.

A 20% lighter version of the original color is **67.4306, 68.2170, 27.3825**, and **19.5139, 17.4008, 2.6780** is the 20% darker color. If you saturate the color by 10%, you get **39.9449, 35.7310, 7.3869**, and if you desaturate by 10%, it is **44.3814, 42.4504, 15.5057**.

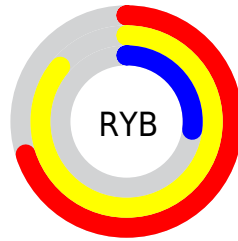
Distribution



Red (86%)

Green (61%)

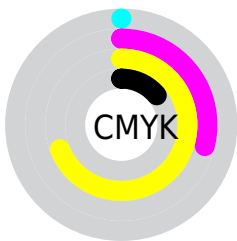
Blue (27%)



Red (70%)

Yellow (86%)

Blue (27%)

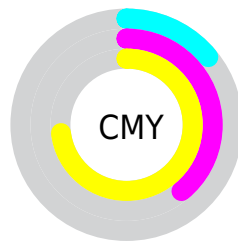


Cyan (0%)

Magenta (29%)

Yellow (69%)

Black (14%)



Cyan (14%)

Magenta (39%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.9781, 38.9201, 10.7687 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 41.9781, 38.9201, 10.7687 by changing the saturation by 10% instead.

41.9781, 38.9201,
10.7687

41.9781, 38.9201,
10.7687

345.3853,
341.5507, 206.7539

29.2752, 26.6976,
5.7993

77.4319, 73.5162,
27.8617

19.4344, 17.3462,
2.6566

100.9134, 96.6587,
40.8225

12.0905, 10.4816,
0.9215

128.7185,
124.2098, 57.2841

6.8780, 5.7195,
0.0000

161.2126,
156.5541, 77.6651

3.4315, 2.6753,
0.0000

198.7609,
194.0760, 102.3840

1.3859, 0.9646,
0.0000

241.7289,

0.2461, 0.0000,

237.1597, 131.8594

0.0000

290.4819,
286.1898, 166.5099

■ 0.0000, 0.0000,
0.0000

■ 41.9781, 38.9201,
10.7687

■ 41.9781, 38.9201,
10.7687

■ 39.9449, 35.7310,
7.3869

■ 44.3814, 42.4504,
15.5057

■ 38.2469, 32.8602,
5.2021

■ 47.1797, 46.3311,
21.7278

■ 36.8361, 30.2857,
3.9704

■ 50.3981, 50.5780,
29.5519

■ 36.6979, 30.0293,
3.8620

■ 54.0588, 55.2037,
39.0824

■ 58.1821, 60.2202,
50.4151

■ 62.7870, 65.6387,
63.6383

■ 67.8913, 71.4699,
78.8346

■ 73.5117, 77.7239,
96.0818

■ 77.9945, 83.7426,
106.6609

Harmonies

Analogous

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



50.6739, 38.9201, 16.9174



41.9781, 38.9201, 10.7687



33.1350, 38.9201, 10.5311

Triad

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



41.9781, 38.9201, 10.7687



22.8370, 38.9201, 54.8956



49.9753, 38.9201, 88.1445

Complementary

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



41.9781, 38.9201, 10.7687



23.4208, 22.8448, 70.1924

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.



41.1381, 38.9201, 109.2764



41.9781, 38.9201, 10.7687



26.0258, 38.9201, 85.5155

Square

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



41.9781, 38.9201, 10.7687



22.9883, 38.9201, 30.1155



32.4179, 38.9201, 108.1585



55.7692, 38.9201, 57.5838

Rectangle

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



41.9781, 38.9201, 10.7687



28.3696, 38.9201, 13.4377



32.4179, 38.9201, 108.1585



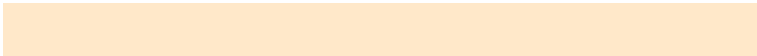
47.2061, 38.9201, 97.0431

Sweetspot

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



41.9790, 38.9220, 10.7694



80.7783, 83.3835, 67.3734



35.5442, 20.9000, 24.5087



16.9375, 17.4208, 13.4459



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.



41.9790, 38.9220, 10.7694



55.1921, 48.4562, 8.7634



52.6502, 64.6255, 15.1683



13.6759, 14.2912, 13.7633



21.8709, 18.0274, 2.3269



1.5016, 1.3373, 0.1790

Inverse Universe

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



23.4208, 22.8448, 70.1924



27.4551, 24.5295, 97.8954



18.0009, 10.8716, 68.1669



12.7900, 13.5198, 16.5876



9.9963, 7.8621, 40.7291



0.7318, 0.6777, 2.6667

Previews

White Background



This preview shows how the XYZ color 41.9781, 38.9201, 10.7687 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 41.9781, 38.9201, 10.7687 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

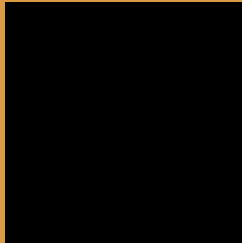
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.9781, 38.9201, 10.7687

Background



This preview shows how black text looks on a background with the XYZ color 41.9781, 38.9201, 10.7687.



This preview shows how white text looks on a background with the XYZ color 41.9781, 38.9201,

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

41.9781, 38.9201, 10.7687

Protanopia

35.6658, 39.0379, 11.7862

Deuteranopia

39.8784, 39.1022, 10.7558



Tritanopia

47.4160, 38.9996, 36.9269

Trichromacy



Original Color

41.9781, 38.9201, 10.7687

Protanomaly

37.7877, 38.7914, 11.4571

Deuteranomaly

40.6806, 39.0051, 10.6948

Tritanomaly

44.8805, 38.6635, 24.4994

Monochromacy



Original Color

41.9781, 38.9201, 10.7687

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

36.4745, 37.2651, 26.0393

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9781, 38.9201, 10.7687 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(219, 155, 68)` looks like.

```
.text, #text, p{  
    color:rgb(219, 155, 68)  
}
```

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(219, 155, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 155, 68) }
```

Border

The CSS property to change the border of an element to XYZ 41.9781, 38.9201, 10.7687 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(219, 155, 68) }
```


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

```
.border{ border-color:rgb(219, 155, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 155, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 155, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 155, 68);  
box-shadow:4px 4px 4px 4px rgb(219, 155,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9781, 38.9201, 10.7687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 155, 68) }
```

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

```
.background{ background-color: rgb(219,  
155, 68) }
```

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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