

Converting Colors

XYZ(38.4778, 41.3324, 5.9500)

Have a look what the booklet for
XYZ(38.4778, 41.3324, 5.9500)
contains.

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Color

**XYZ(38.6503, 41.5433,
5.9816)**

Conversions

Conversions Part 1

Format	Color
Hex	C9AB00
RGB	201, 171, 0
RGB Percent	79%, 67%, 0%
CMY	0.2118, 0.3294, 0.9999
CMYK	0.00, 0.15, 1.00, 0.21
HSL	51°, 100%, 39%
HSV	51°, 100%, 79%
XYZ	38.6503, 41.5433, 5.9816
YIQ	160.4760, 72.7710, -46.8210

Conversions

Conversions Part 2

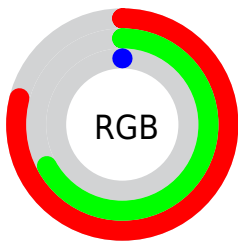
Format	Color
RYB	35, 201, 0
Decimal	13216512
CIELab	70.55, -2.65, 73.20
CIElCh	71, 73.251, 92.073
Yxy	41.5433, 0.4485, 0.4821
Android (android.graphics.Color)	4291406592 (0xFFC9AB00)
YUV	160.4760, -79.1147, 35.5395
Hunter-Lab	64.4541, -5.7560, 39.6155

Details

The XYZ color **38.6503, 41.5433, 5.9816** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **11.0073, 5.1463, 55.6711**, and the grayscale version is **33.9665, 35.7354, 38.9158**.

A 20% lighter version of the original color is **69.8115, 76.2028, 18.2369**, and **17.7522, 18.9444, 2.7210** is the 20% darker color. If you saturate the color by 10%, you get **38.6506, 41.5443, 5.9817**, and if you desaturate by 10%, it is **39.3516, 42.7424, 6.8434**.

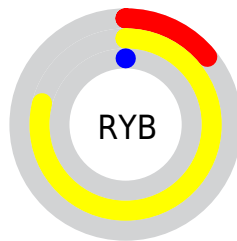
Distribution



Red (79%)

Green (67%)

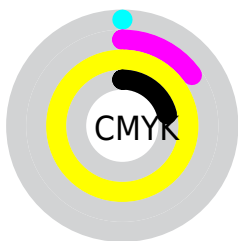
Blue (0%)



Red (14%)

Yellow (79%)

Blue (0%)

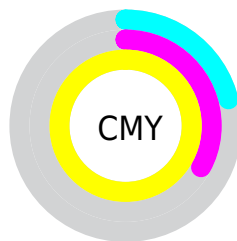


Cyan (0%)

Magenta (15%)

Yellow (100%)

Black (21%)



Cyan (21%)

Magenta (33%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.6503, 41.5433, 5.9816 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 38.6503, 41.5433, 5.9816 by changing the saturation by 10% instead.

■ 38.6503, 41.5433,
5.9816

■ 38.6503, 41.5433,
5.9816

331.6342,
352.5862, 168.2072

■ 26.6673, 28.7439,
2.7653

■ 72.4013, 77.5080,
18.3697

■ 17.4588, 18.8871,
0.9761

■ 94.9000, 101.4420,
28.3786

■ 10.6595, 11.5888,
0.0000

■ 121.6346,
129.8563, 41.4887

■ 5.9039, 6.4643,
0.0000

■ 152.9705,
163.1353, 58.1186

■ 2.8269, 3.1294,
0.0000

■ 189.2731,
201.6634, 78.6869

■ 1.0629, 1.1997,
0.0000

■ 230.9077,

■ 0.0000, 0.0614,

245.8250, 103.6121

0.0000

278.2396,
296.0045, 133.3127

0.0000, 0.0000,
0.0000

38.6503, 41.5433,
5.9816

38.6503, 41.5433,
5.9816

38.6506, 41.5443,
5.9817

39.3516, 42.7424,
6.8434

40.1970, 44.0182,
8.4047

41.2334, 45.3913,
10.9073

42.4850, 46.8714,
14.4784

43.9723, 48.4669,
19.2258

■ 45.7133, 50.1851,
25.2437

■ 47.7242, 52.0327,
32.6171

■ 50.0198, 54.0156,
41.4235

■ 52.6138, 56.1394,
51.7344

Harmonies

Analogous

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



51.4107, 41.5433, 8.2153



38.6503, 41.5433, 5.9816



28.3785, 41.5433, 9.0126

Triad

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



38.6503, 41.5433, 5.9816



22.8746, 41.5433, 90.6226



63.8060, 41.5433, 84.1507

Complementary

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



38.6503, 41.5433, 5.9816



11.0073, 5.1463, 55.6711

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.



53.1679, 41.5433, 128.4072



38.6503, 41.5433, 5.9816



29.5639, 41.5433, 133.2988

Square

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



38.6503, 41.5433, 5.9816



20.5052, 41.5433, 47.6861



40.3330, 41.5433, 149.7901



67.5871, 41.5433, 42.8666

Rectangle

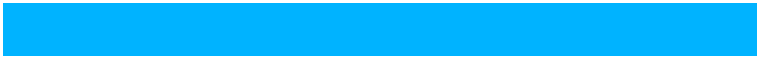
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38.6503, 41.5433, 5.9816



23.8345, 41.5433, 15.4020



40.3330, 41.5433, 149.7901



60.8193, 41.5433, 99.7697

Sweetspot

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



38.6512, 41.5453, 5.9824



81.5516, 88.9454, 55.2531



24.3239, 12.5124, 2.3725



17.1298, 18.7435, 10.6181



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.



38.6512, 41.5453, 5.9824



66.0386, 70.8571, 10.1962



30.1934, 46.5708, 7.3982



11.3838, 12.1368, 11.3054



24.3554, 26.2279, 3.7788



1.1909, 1.3172, 0.1915

Inverse Universe

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



11.0073, 5.1463, 55.6711



18.7449, 8.6098, 95.2816



13.0947, 5.5330, 55.6357



10.1823, 10.5387, 13.4150



6.9628, 3.3195, 35.0181



0.3717, 0.2412, 1.6721

Previews

White Background



This preview shows how the XYZ color 38.6503, 41.5433, 5.9816 looks on a white background.

Color Contrast Check

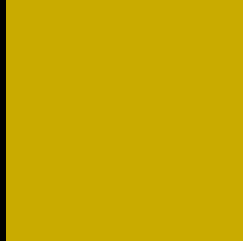
Large Text (above 18pt) WCAG AA × Fail

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 38.6503, 41.5433, 5.9816 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 38.6503, 41.5433, 5.9816

Background



This preview shows how black text looks on a background with the XYZ color 38.6503, 41.5433, 5.9816.

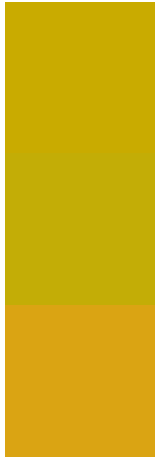


This preview shows how white text looks on a background with the XYZ color 38.6503, 41.5433,

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

38.6503, 41.5433, 5.9816

Protanopia

37.4821, 41.5024, 6.2075

Deuteranopia

42.3064, 41.5034, 6.3973



Tritanopia

46.3272, 41.4382, 44.0847

Trichromacy



Original Color

38.6503, 41.5433, 5.9816

Protanomaly

37.8004, 41.3841, 6.1105

Deuteranomaly

41.0365, 41.6610, 6.2264

Tritanomaly

41.5896, 40.5639, 20.1056

Monochromacy



Original Color

38.6503, 41.5433, 5.9816

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.3529, 36.6242, 17.8817

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6503, 41.5433, 5.9816 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(201, 171, 0)` looks like.

```
.text, #text, p{  
    color:rgb(201, 171, 0)  
}
```

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(201, 171, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 171, 0) }
```

Border

The CSS property to change the border of an element to XYZ 38.6503, 41.5433, 5.9816 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(201, 171, 0) }
```


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

```
.border{ border-color:rgb(201, 171, 0) }
```

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

Here you see how a box with a 4 pixel rgb(201, 171, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 171, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 171, 0);  
box-shadow:4px 4px 4px 4px rgb(201, 171,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6503, 41.5433, 5.9816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 171, 0) }
```

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

```
.background{ background-color: rgb(201,  
171, 0) }
```

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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