

Converting Colors

XYZ(38.3307, 51.8144, 7.9809)

Have a look what the booklet for
XYZ(38.3307, 51.8144, 7.9809)
contains.

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Color

**XYZ(38.3875, 51.8437,
7.9836)**

Conversions

Conversions Part 1

Format	Color
Hex	ABCC00
RGB	171, 204, 0
RGB Percent	67%, 80%, 0%
CMY	0.3294, 0.2000, 0.9999
CMYK	0.16, 0.00, 1.00, 0.20
HSL	70°, 100%, 40%
HSV	70°, 100%, 80%
XYZ	38.3875, 51.8437, 7.9836
YIQ	170.8770, 45.8160, -70.4400

Conversions

Conversions Part 2

Format	Color
RYB	0, 204, 33
Decimal	11258880
CIELab	77.19, -32.08, 76.96
CIELCh	77, 83.376, 112.628
Yxy	51.8437, 0.3909, 0.5279
Android (android.graphics.Color)	4289448960 (0xFFABCC00)
YUV	170.8770, -84.2424, 0.1079
Hunter-Lab	72.0026, -30.8389, 43.8278

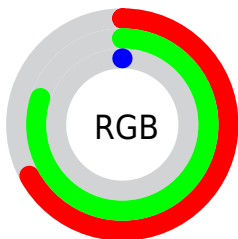
Details

The XYZ color **38.3875, 51.8437, 7.9836** is a dark color, and the websafe version is hex **99CC00**.

The color can be described as dark washed chartreuse. A complement of this color would be **11.5281, 4.6842, 57.4265**, and the grayscale version is **39.0432, 41.0764, 44.7323**.

A 20% lighter version of the original color is **69.9934, 88.9831, 21.8739**, and **17.7164, 25.3234, 3.9542** is the 20% darker color. If you saturate the color by 10%, you get **38.3877, 51.8456, 7.9840**, and if you desaturate by 10%, it is **39.2467, 52.2734, 8.7031**.

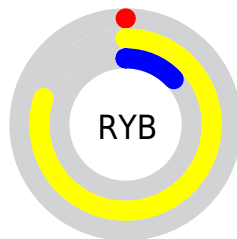
Distribution



Red (67%)

Green (80%)

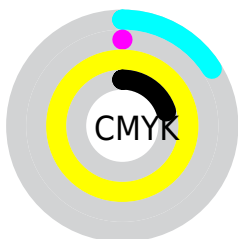
Blue (0%)



Red (0%)

Yellow (80%)

Blue (13%)

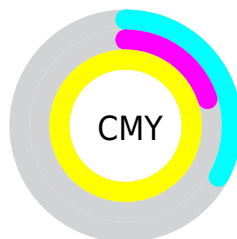


Cyan (16%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (33%)


Magenta (20%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.3875, 51.8437, 7.9836 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 38.3875, 51.8437, 7.9836 by changing the saturation by 10% instead.


 38.3875, 51.8437,
7.9836


 38.3875, 51.8437,
7.9836

330.5315,
393.8329, 185.5331


 26.4622, 36.8805,
3.9968


 72.0018, 92.9007,
22.4719


 17.3042, 25.1150,
1.6236


 94.4214, 119.7633,
33.8106


 10.5483, 16.1627,
0.3076


 121.0698,
151.3611, 48.4369

 5.8290, 9.6394,
0.0000

 152.3124,
188.0786, 66.7695

 2.7810, 5.1605,
0.0000

 188.5145,
230.3001, 89.2269

 1.0391, 2.3418,
0.0000

 230.0415,

 0.0000, 0.7957,

278.4101, 116.2276

0.0000

277.2587,
332.7929, 148.1901

■ 0.0000, 0.0000,
0.0000

■ 38.3875, 51.8437,
7.9836

■ 38.3875, 51.8437,
7.9836

■ 38.3877, 51.8456,
7.9840

■ 39.2467, 52.2734,
8.7031

■ 40.2600, 52.7649,
10.1446

■ 41.4756, 53.3394,
12.5564

■ 42.9188, 54.0071,
16.0706

■ 44.6108, 54.7765,
20.7990

■ 46.5703, 55.6550,
26.8394

■ 48.8143, 56.6495,
34.2799

■ 51.3581, 57.7660,
43.2007

■ 54.2159, 59.0103,
53.6763

Harmonies

Analogous

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



53.3188, 51.8437, 6.4540



38.3875, 51.8437, 7.9836



28.6915, 51.8437, 18.1449

Triad

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



38.3875, 51.8437, 7.9836



32.8986, 51.8437, 159.0503



86.4020, 51.8437, 68.4919

Complementary

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



38.3875, 51.8437, 7.9836



11.5281, 4.6842, 57.4265

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.



77.9058, 51.8437, 128.3568



38.3875, 51.8437, 7.9836



45.4427, 51.8437, 196.1507

Square

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



38.3875, 51.8437, 7.9836



26.0328, 51.8437, 97.4612



62.0501, 51.8437, 182.6208



83.3721, 51.8437, 28.9386

Rectangle

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



38.3875, 51.8437, 7.9836



25.4088, 51.8437, 34.0660



62.0501, 51.8437, 182.6208



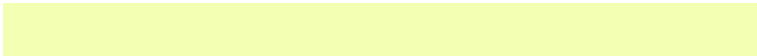
84.7463, 51.8437, 86.9626

Sweetspot

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



38.3887, 51.8461, 7.9847



80.6779, 93.7419, 56.2250



25.3835, 13.7984, 1.3262



16.9178, 19.9096, 10.8544



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.



38.3887, 51.8461, 7.9847



63.4155, 85.7769, 13.2143



24.2235, 44.5436, 7.3218



11.9687, 13.0013, 11.9581



24.2267, 32.6646, 5.0280



1.2987, 1.7103, 0.2617

Inverse Universe

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



11.5281, 4.6842, 57.4265



18.9749, 7.6968, 95.0933



20.5116, 9.3154, 57.8469



10.7680, 10.9297, 14.1125



7.3073, 2.9746, 36.1453



0.4314, 0.1815, 1.8672

Previews

White Background



This preview shows how the XYZ color 38.3875, 51.8437, 7.9836 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 38.3875, 51.8437, 7.9836 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 38.3875, 51.8437, 7.9836

Background



This preview shows how black text looks on a background with the XYZ color 38.3875, 51.8437, 7.9836.



This preview shows how white text looks on a background with the XYZ color 38.3875, 51.8437,

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

38.3875, 51.8437, 7.9836

Protanopia

46.6551, 51.7087, 7.5218

Deuteranopia

52.5749, 51.2952, 8.7990



Tritanopia

49.9264, 51.7995, 65.1245

Trichromacy



Original Color

38.3875, 51.8437, 7.9836

Protanomaly

43.2931, 51.6220, 7.6822

Deuteranomaly

46.3766, 50.9041, 8.1918

Tritanomaly

42.6004, 50.4657, 28.6147

Monochromacy



Original Color

38.3875, 51.8437, 7.9836

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

36.4884, 43.6290, 20.9661

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3875, 51.8437, 7.9836 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(171, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(171, 204, 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(171, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 204, 0) }
```

Border

The CSS property to change the border of an element to XYZ 38.3875, 51.8437, 7.9836 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(171, 204, 0) }
```


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

```
.border{ border-color:rgb(171, 204, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 204, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(171, 204,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3875, 51.8437, 7.9836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 204, 0) }
```

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

```
.background{ background-color: rgb(171,  
204, 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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