

Converting Colors

XYZ(37.5560, 50.5113, 5.1718)

Have a look what the booklet for
XYZ(37.5560, 50.5113, 5.1718)
contains.

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Color

**XYZ(37.8999, 50.5439,
7.7584)**

Conversions

Conversions Part 1

Format	Color
Hex	ACC900
RGB	172, 201, 0
RGB Percent	67%, 79%, 0%
CMY	0.3255, 0.2117, 0.9999
CMYK	0.14, 0.00, 1.00, 0.21
HSL	69°, 100%, 39%
HSV	69°, 100%, 79%
XYZ	37.8999, 50.5439, 7.7584
YIQ	169.4150, 47.2370, -68.6590

Conversions

Conversions Part 2

Format	Color
RYB	0, 201, 29
Decimal	11323648
CIELab	76.40, -30.27, 76.40
CIELCh	76, 82.175, 111.611
Yxy	50.5439, 0.3940, 0.5254
Android (android.graphics.Color)	4289513728 (0xFFACC900)
YUV	169.4150, -83.5216, 2.2670
Hunter-Lab	71.0942, -29.2577, 43.2957

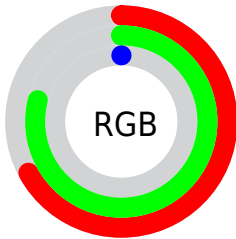
Details

The XYZ color **37.8999, 50.5439, 7.7584** 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 **11.0509, 4.4794, 55.5435**, and the grayscale version is **38.3053, 40.3002, 43.8869**.

A 20% lighter version of the original color is **70.2763, 89.1335, 21.6841**, and **17.5039, 24.5123, 3.8088** is the 20% darker color. If you saturate the color by 10%, you get **37.9002, 50.5458, 7.7588**, and if you desaturate by 10%, it is **38.6720, 50.9289, 8.4596**.

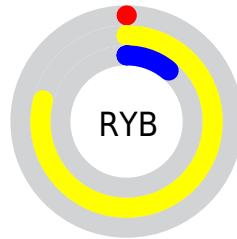
Distribution



Red (67%)

Green (79%)

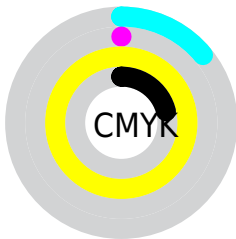
Blue (0%)



Red (0%)

Yellow (79%)

Blue (11%)

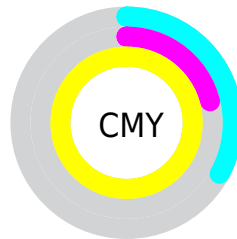


Cyan (14%)

Magenta (0%)

Yellow (100%)

Black (21%)



Cyan (33%)

Magenta (21%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8999, 50.5439, 7.7584 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 37.8999, 50.5439, 7.7584 by changing the saturation by 10% instead.

■ 37.8999, 50.5439,
7.7584

■ 37.8999, 50.5439,
7.7584

328.4787,
388.7891, 183.6878

■ 26.0819, 35.8458,
3.8552

■ 71.2596, 90.9802,
22.0217

■ 17.0179, 24.3151,
1.5462

■ 93.5319, 117.4872,
33.2189

■ 10.3426, 15.5675,
0.2520

■ 120.0198,
148.6992, 47.6846

■ 5.6907, 9.2186,
0.0000

■ 151.0884,
185.0007, 65.8371

■ 2.6968, 4.8841,
0.0000

■ 187.1033,
226.7760, 88.0952

■ 0.9955, 2.1794,
0.0000

■ 228.4297,

■ 0.0000, 0.7087,

274.4096, 114.8773

0.0000

275.4331,
328.2859, 146.6020

■ 0.0000, 0.0000,
0.0000

■ 37.8999, 50.5439,
7.7584

■ 37.8999, 50.5439,
7.7584

■ 37.9002, 50.5458,
7.7588

■ 38.6720, 50.9289,
8.4596

■ 39.5891, 51.3718,
9.8567

■ 40.6983, 51.8930,
12.1914

■ 42.0237, 52.5024,
15.5911

■ 43.5859, 53.2082,
20.1633

■ 45.4029, 54.0175,
26.0025

■ 47.4908, 54.9369,
33.1935

■ 49.8646, 55.9723,
41.8138

■ 52.5378, 57.1291,
51.9350

Harmonies

Analogous

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



52.5105, 50.5439, 6.4633



37.8999, 50.5439, 7.7584



28.2994, 50.5439, 17.2804

Triad

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



37.8999, 50.5439, 7.7584



31.8397, 50.5439, 152.4068



83.8708, 50.5439, 68.4163

Complementary

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



37.8999, 50.5439, 7.7584



11.0509, 4.4794, 55.5435

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.



75.3199, 50.5439, 126.6660



37.8999, 50.5439, 7.7584



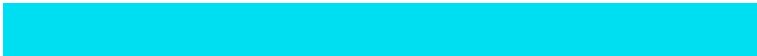
43.8316, 50.5439, 189.5864

Square

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



37.8999, 50.5439, 7.7584



25.3591, 50.5439, 92.7343



59.8454, 50.5439, 178.2443



81.3276, 50.5439, 29.2501

Rectangle

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



37.8999, 50.5439, 7.7584



24.9874, 50.5439, 32.3030



59.8454, 50.5439, 178.2443



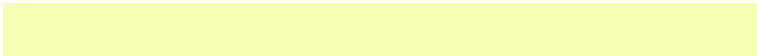
82.1426, 50.5439, 86.5074

Sweetspot

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



37.9010, 50.5462, 7.7595



81.1404, 93.9804, 56.2466



24.4767, 13.1939, 1.2573



17.0297, 19.9673, 10.8596



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.



37.9010, 50.5462, 7.7595



64.7329, 86.4561, 13.2759



23.6902, 43.2202, 7.0944



11.3676, 12.3365, 11.3448



23.8886, 31.8103, 4.8809



1.1734, 1.5280, 0.2331

Inverse Universe

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



11.0509, 4.4794, 55.5435



18.8058, 7.6096, 95.0854



19.3423, 8.7538, 55.9315



10.1968, 10.3597, 13.3797



6.9949, 2.8403, 34.9239



0.3784, 0.1588, 1.6559

Previews

White Background



This preview shows how the XYZ color 37.8999, 50.5439, 7.7584 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 37.8999, 50.5439, 7.7584 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

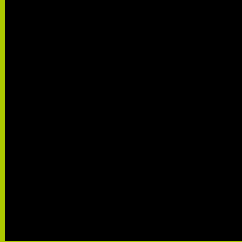
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.8999, 50.5439, 7.7584

Background



This preview shows how black text looks on a background with the XYZ color 37.8999, 50.5439, 7.7584.



This preview shows how white text looks on a background with the XYZ color 37.8999, 50.5439,

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

37.8999, 50.5439, 7.7584

Protanopia

45.3490, 50.3922, 7.3365

Deuteranopia

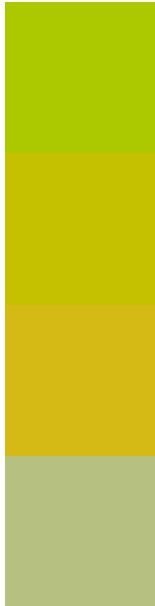
51.1488, 49.9667, 8.5388



Tritanopia

49.1700, 50.4963, 63.0323

Trichromacy



Original Color

37.8999, 50.5439, 7.7584

Protanomaly

42.0959, 50.0102, 7.4343

Deuteranomaly

45.1443, 49.3219, 7.8998

Tritanomaly

42.1035, 49.2293, 28.0520

Monochromacy



Original Color

37.8999, 50.5439, 7.7584

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

35.8082, 42.6765, 20.5375

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8999, 50.5439, 7.7584 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(172, 201, 0)` looks like.

```
.text, #text, p{  
    color:rgb(172, 201, 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(172, 201, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 201, 0) }
```

Border

The CSS property to change the border of an element to XYZ 37.8999, 50.5439, 7.7584 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(172, 201, 0) }
```


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

```
.border{ border-color:rgb(172, 201, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 201, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 201, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 201, 0);  
box-shadow:4px 4px 4px 4px rgb(172, 201,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8999, 50.5439, 7.7584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 201, 0) }
```

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

```
.background{ background-color: rgb(172,  
201, 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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