

Converting Colors

XYZ(39.0859, 51.2586, 15.0745)

Have a look what the booklet for
XYZ(39.0859, 51.2586, 15.0745)
contains.

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Color

**XYZ(39.0732, 51.3372,
15.0574)**

Conversions

Conversions Part 1

Format	Color
Hex	AACA4E
RGB	170, 202, 78
RGB Percent	67%, 79%, 31%
CMY	0.3333, 0.2078, 0.6941
CMYK	0.16, 0.00, 0.61, 0.21
HSL	75°, 54%, 55%
HSV	75°, 61%, 79%
XYZ	39.0732, 51.3372, 15.0574
YIQ	178.2960, 20.7320, -45.3480

Conversions

Conversions Part 2

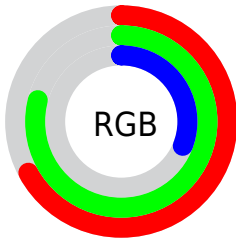
Format	Color
RYB	78, 202, 110
Decimal	11192910
CIELab	76.88, -28.58, 56.72
CIELCh	77, 63.511, 116.743
Yxy	51.3372, 0.3705, 0.4868
Android (android.graphics.Color)	4289382990 (0xFFAACA4E)
YUV	178.2960, -49.4459, -7.2756
Hunter-Lab	71.6500, -28.0453, 37.6951

Details

The XYZ color **39.0732, 51.3372, 15.0574** is a dark color, and the websafe version is hex **99CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **19.8175, 13.0294, 57.3507**, and the grayscale version is **42.7211, 44.9460, 48.9461**.

A 20% lighter version of the original color is **71.9198, 89.6799, 35.3492**, and **17.7777, 24.8717, 4.4798** is the 20% darker color. If you saturate the color by 10%, you get **37.3529, 50.5233, 11.7600**, and if you desaturate by 10%, it is **41.0631, 52.2678, 19.5303**.

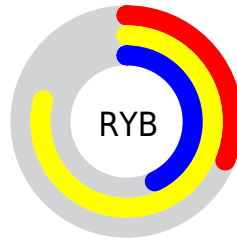
Distribution



Red (67%)

Green (79%)

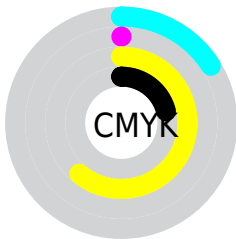
Blue (31%)



Red (31%)

Yellow (79%)

Blue (43%)

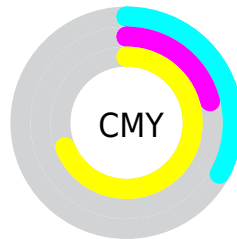


Cyan (16%)

Magenta (0%)

Yellow (61%)

Black (21%)



Cyan (33%)

Magenta (21%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.0732, 51.3372, 15.0574 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 39.0732, 51.3372, 15.0574 by changing the saturation by 10% instead.

■ 39.0732, 51.3372,
15.0574

■ 39.0732, 51.3372,
15.0574

333.4034,
391.8725, 235.3661

■ 26.9977, 36.4770,
8.7126

■ 73.0435, 92.1530,
35.6976

■ 17.7080, 24.8028,
4.4600

■ 95.6689, 118.8775,
50.8300

■ 10.8390, 15.9302,
1.8809

■ 122.5417,
150.3255, 69.7288

■ 6.0252, 9.4748,
0.4806

■ 154.0272,
186.8814, 92.8124

■ 2.9012, 5.0521,
0.0000

■ 190.4908,
228.9297, 120.4994

■ 1.1017, 2.2779,
0.0000

232.2978,

■ 0.0266, 0.7620,

276.8547, 153.2083

0.0000

279.8135,
331.0408, 191.3577

■ 0.0000, 0.0000,
0.0000

■ 39.0732, 51.3372,
15.0574

■ 39.0732, 51.3372,
15.0574

■ 37.3529, 50.5233,
11.7600

■ 41.0631, 52.2678,
19.5303

■ 35.8769, 49.8103,
9.5237

■ 43.3378, 53.3157,
25.2727

■ 34.6207, 49.1903,
8.2169

■ 45.9157, 54.4902,
32.3727

■ 33.6748, 48.7147,
7.6280

■ 48.8123, 55.7974,
40.9098

■ 52.0419, 57.2433,
50.9573

■ 55.6180, 58.8333,
62.5833

■ 59.5533, 60.5724,
75.8520

■ 63.8596, 62.4655,
90.8241

■ 67.7645, 64.2036,
103.4287

Harmonies

Analogous

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



50.1258, 51.3372, 12.3201



39.0732, 51.3372, 15.0574



31.8381, 51.3372, 26.7833

Triad

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



39.0732, 51.3372, 15.0574



37.1355, 51.3372, 131.9922



75.8444, 51.3372, 59.7619

Complementary

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



39.0732, 51.3372, 15.0574



19.8175, 13.0294, 57.3507

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.



70.9027, 51.3372, 100.8758



39.0732, 51.3372, 15.0574



47.4869, 51.3372, 152.0551

Square

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



39.0732, 51.3372, 15.0574



30.8558, 51.3372, 91.4823



60.0076, 51.3372, 138.8067



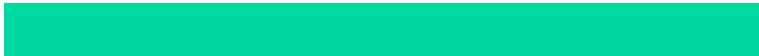
72.6088, 51.3372, 30.9940

Rectangle

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



39.0732, 51.3372, 15.0574



29.5021, 51.3372, 41.9914



60.0076, 51.3372, 138.8067



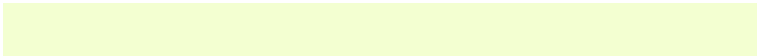
75.0670, 51.3372, 72.5776

Sweetspot

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



39.0744, 51.3395, 15.0585



84.2959, 95.2103, 74.3211



31.2028, 24.0455, 10.2051



17.7097, 20.2294, 14.8888



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.



39.0744, 51.3395, 15.0585



62.2879, 85.0810, 18.3401



28.8041, 46.0450, 14.5778



11.8602, 12.9453, 11.9530



21.7547, 31.3903, 4.9123



1.1904, 1.6545, 0.2566

Inverse Universe

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



19.8175, 13.0294, 57.3507



27.0867, 14.7967, 96.0362



30.1815, 18.3723, 57.8357



10.8687, 10.9816, 14.1172



7.8471, 3.2529, 36.1706



0.4775, 0.2053, 1.8694

Previews

White Background



This preview shows how the XYZ color 39.0732, 51.3372, 15.0574 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 39.0732, 51.3372, 15.0574 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 39.0732, 51.3372, 15.0574

Background



This preview shows how black text looks on a background with the XYZ color 39.0732, 51.3372, 15.0574.



This preview shows how white text looks on a background with the XYZ color 39.0732, 51.3372,

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

39.0732, 51.3372, 15.0574

Protanopia

46.5135, 51.1702, 13.9039

Deuteranopia

51.8926, 50.7908, 15.6629



Tritanopia

48.8638, 50.9452, 64.3847

Trichromacy



Original Color

39.0732, 51.3372, 15.0574

Protanomaly

43.3267, 50.8273, 14.1837

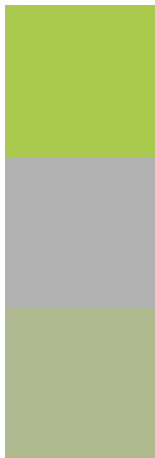
Deuteranomaly

46.3702, 50.4245, 15.2716

Tritanomaly

44.0537, 50.6359, 39.7996

Monochromacy



Original Color

39.0732, 51.3372, 15.0574

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

40.3320, 46.6076, 32.4616

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.0732, 51.3372, 15.0574 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(170, 202, 78)` looks like.

```
.text, #text, p{  
    color:rgb(170, 202, 78)  
}
```

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(170, 202, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 202, 78) }
```

Border

The CSS property to change the border of an element to XYZ 39.0732, 51.3372, 15.0574 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(170, 202, 78) }
```


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

```
.border{ border-color:rgb(170, 202, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 202, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 202, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 202, 78);  
box-shadow:4px 4px 4px 4px rgb(170, 202,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 39.0732, 51.3372, 15.0574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 202, 78) }
```

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

```
.background{ background-color: rgb(170,  
202, 78) }
```

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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