

Converting Colors

XYZ(37.5557, 52.0703, 11.9150)

Have a look what the booklet for
XYZ(37.5557, 52.0703, 11.9150)
contains.

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Color

**XYZ(37.5078, 52.0151,
11.9339)**

Conversions

Conversions Part 1

Format	Color
Hex	A1CE39
RGB	161, 206, 57
RGB Percent	63%, 81%, 22%
CMY	0.3686, 0.1921, 0.7765
CMYK	0.22, 0.00, 0.72, 0.19
HSL	78°, 60%, 52%
HSV	78°, 72%, 81%
XYZ	37.5078, 52.0151, 11.9339
YIQ	175.5590, 21.0090, -55.8790

Conversions

Conversions Part 2

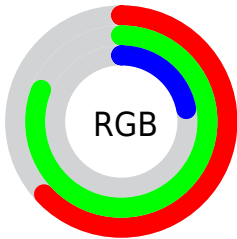
Format	Color
RYB	57, 206, 102
Decimal	10604089
CIELab	77.29, -35.37, 65.13
CIELCh	77, 74.114, 118.502
Yxy	52.0151, 0.3697, 0.5127
Android (android.graphics.Color)	4288794169 (0xFFA1CE39)
YUV	175.5590, -58.4496, -12.7682
Hunter-Lab	72.1215, -33.3812, 40.6744

Details

The XYZ color **37.5078, 52.0151, 11.9339** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **18.0852, 10.2086, 59.4128**, and the grayscale version is **41.3254, 43.4775, 47.3470**.

A 20% lighter version of the original color is **68.0107, 87.7950, 29.2812**, and **17.0539, 25.4597, 4.0154** is the 20% darker color. If you saturate the color by 10%, you get **35.8720, 51.2213, 9.6977**, and if you desaturate by 10%, it is **39.4168, 52.9290, 15.2727**.

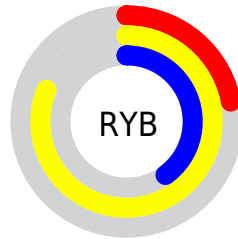
Distribution



Red (63%)

Green (81%)

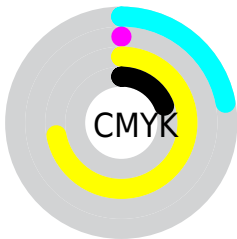
Blue (22%)



Red (22%)

Yellow (81%)

Blue (40%)

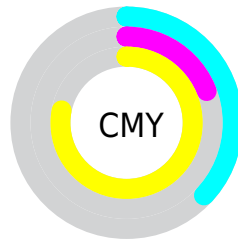


Cyan (22%)

Magenta (0%)

Yellow (72%)

Black (19%)



Cyan (37%)


Magenta (19%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.5078, 52.0151, 11.9339 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 37.5078, 52.0151, 11.9339 by changing the saturation by 10% instead.


 37.5078, 52.0151,
11.9339


 37.5078, 52.0151,
11.9339


326.8213,
394.4949, 214.9296


 25.7764, 37.0171,
6.5767


 70.6619, 93.1535,
30.0373


 16.7882, 25.2207,
3.1244


 92.8152, 120.0627,
43.6205


 10.1780, 16.2416,
1.1585


 119.1733,
151.7111, 60.7828

 5.5803, 9.6953,
0.0000

 150.1014,
188.4831, 81.9427

 2.6298, 5.1974,
0.0000

 185.9649,
230.7631, 107.5188

 0.9612, 2.3635,
0.0000

227.1291,

 0.0000, 0.8070,

278.9355, 137.9296

0.0000

273.9595,
333.3846, 173.5937

■ 0.0000, 0.0000,
0.0000

■ 37.5078, 52.0151,
11.9339

■ 37.5078, 52.0151,
11.9339

■ 35.8720, 51.2213,
9.6977

■ 39.4168, 52.9290,
15.2727

■ 34.4779, 50.5295,
8.4186

■ 41.6188, 53.9656,
19.8292

■ 33.5359, 50.0546,
7.8940

■ 44.1355, 55.1355,
25.7080

■ 46.9852, 56.4461,
33.0012

■ 50.1847, 57.9043,
41.7928

■ 53.7496, 59.5162,
52.1604

■ 57.6942, 61.2879,
64.1760

■ 62.0322, 63.2248,
77.9073

■ 66.7765, 65.3322,
93.4181

Harmonies

Analogous

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



50.1569, 52.0151, 8.8872



37.5078, 52.0151, 11.9339



29.6013, 52.0151, 24.7887

Triad

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



37.5078, 52.0151, 11.9339



36.4875, 52.0151, 153.0518



82.1103, 52.0151, 58.7072

Complementary

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



37.5078, 52.0151, 11.9339



18.0852, 10.2086, 59.4128

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.



76.6025, 52.0151, 108.1775



37.5078, 52.0151, 11.9339



48.7275, 52.0151, 176.4836

Square

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



37.5078, 52.0151, 11.9339



29.0965, 52.0151, 102.8110



63.6644, 52.0151, 157.0574



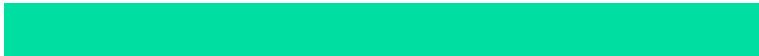
77.5635, 52.0151, 26.8891

Rectangle

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



37.5078, 52.0151, 11.9339



27.1978, 52.0151, 42.4191



63.6644, 52.0151, 157.0574



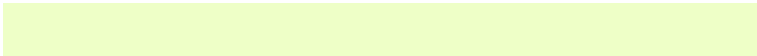
81.3563, 52.0151, 73.7189

Sweetspot

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



37.5090, 52.0174, 11.9350



81.3356, 93.8256, 67.7953



30.9160, 22.8628, 6.6551



17.0920, 19.9384, 13.6199



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.



37.5090, 52.0174, 11.9350



56.7734, 82.3208, 14.3471



26.7234, 46.4572, 11.4302



11.8112, 12.9201, 11.9507



20.7515, 30.8731, 4.8654



1.1451, 1.6312, 0.2545

Inverse Universe

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



18.0852, 10.2086, 59.4128



23.8712, 11.0345, 95.4795



30.5554, 16.6372, 59.9964



10.9151, 11.0055, 14.1194



8.1786, 3.4238, 36.1861



0.4993, 0.2165, 1.8704

Previews

White Background



This preview shows how the XYZ color 37.5078, 52.0151, 11.9339 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 37.5078, 52.0151, 11.9339 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 37.5078, 52.0151, 11.9339

Background



This preview shows how black text looks on a background with the XYZ color 37.5078, 52.0151, 11.9339.



This preview shows how white text looks on a background with the XYZ color 37.5078, 52.0151,

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

37.5078, 52.0151, 11.9339

Protanopia

47.0050, 51.8148, 10.8920

Deuteranopia

52.7969, 51.6301, 12.4931



Tritanopia

48.4722, 51.6692, 66.4499

Trichromacy



Original Color

37.5078, 52.0151, 11.9339

Protanomaly

42.9115, 51.3483, 11.1396

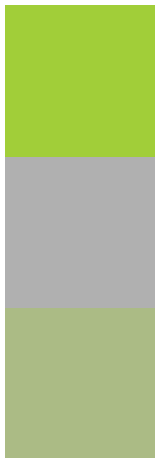
Deuteranomaly

45.8890, 50.8874, 12.1063

Tritanomaly

42.6470, 50.9702, 37.2963

Monochromacy



Original Color

37.5078, 52.0151, 11.9339

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

38.7985, 45.8920, 29.0034

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5078, 52.0151, 11.9339 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(161, 206, 57)` looks like.

```
.text, #text, p{  
    color:rgb(161, 206, 57)  
}
```

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(161, 206, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 206, 57) }
```

Border

The CSS property to change the border of an element to XYZ 37.5078, 52.0151, 11.9339 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(161, 206, 57) }
```


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

```
.border{ border-color:rgb(161, 206, 57) }
```

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

Here you see how a box with a 4 pixel rgb(161, 206, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 206, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 206, 57);  
box-shadow:4px 4px 4px 4px rgb(161, 206,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5078, 52.0151, 11.9339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 206, 57) }
```

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

```
.background{ background-color: rgb(161,  
206, 57) }
```

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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