

Converting Colors

XYZ(39.8386, 51.8467, 37.2521)

Have a look what the booklet for
XYZ(39.8386, 51.8467, 37.2521)
contains.

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Color

**XYZ(39.9413, 51.9994,
37.2099)**

Conversions

Conversions Part 1

Format	Color
Hex	97CC97
RGB	151, 204, 151
RGB Percent	59%, 80%, 59%
CMY	0.4078, 0.2000, 0.4078
CMYK	0.26, 0.00, 0.26, 0.20
HSL	120°, 34%, 70%
HSV	120°, 26%, 80%
XYZ	39.9413, 51.9994, 37.2099
YIQ	182.1110, -14.5750, -27.7190

Conversions

Conversions Part 2

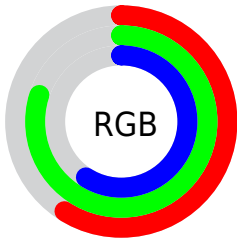
Format	Color
RYB	151, 204, 204
Decimal	9948311
CIELab	77.28, -27.56, 21.00
CIELCh	77, 34.649, 142.694
Yxy	51.9994, 0.3093, 0.4026
Android (android.graphics.Color)	4288138391 (0xFF97CC97)
YUV	182.1110, -15.3377, -27.2843
Hunter-Lab	72.1106, -27.3243, 19.8831

Details

The XYZ color **39.9413, 51.9994, 37.2099** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **46.8693, 39.3314, 62.2505**, and the grayscale version is **44.6117, 46.9349, 51.1121**.

A 20% lighter version of the original color is **72.2330, 89.0496, 71.1388**, and **18.3522, 25.3854, 15.9892** is the 20% darker color. If you saturate the color by 10%, you get **34.9620, 49.6091, 29.0643**, and if you desaturate by 10%, it is **45.8652, 54.8465, 46.8984**.

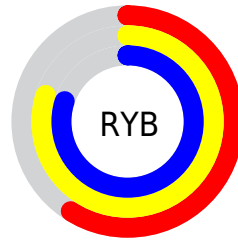
Distribution



Red (59%)

Green (80%)

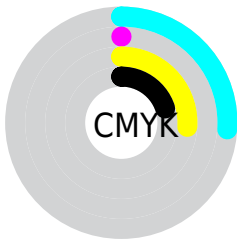
Blue (59%)



Red (59%)

Yellow (80%)

Blue (80%)

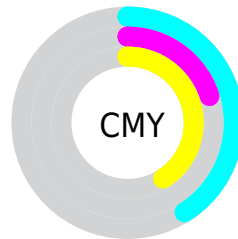


Cyan (26%)

Magenta (0%)

Yellow (26%)

Black (20%)



Cyan (41%)


Magenta (20%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.9413, 51.9994, 37.2099 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 39.9413, 51.9994, 37.2099 by changing the saturation by 10% instead.

 39.9413, 51.9994,
37.2099


 39.9413, 51.9994,
37.2099


337.0148,
394.4343, 349.4144

 27.6768, 37.0046,
25.0730


 74.3590, 93.1304,
72.0854

 18.2214, 25.2110,
15.9119


 97.2430, 120.0353,
95.6611

 11.2097, 16.2344,
9.3082


124.3974,
151.6791, 123.8868

 6.2764, 9.6901,
4.8432

156.1877,
188.4461, 157.1811

 3.0561, 5.1940,
2.0984

192.9792,
230.7207, 195.9624

 1.1835, 2.3615,
0.6148

235.1374,

 0.0933, 0.8060,

278.8874, 240.6494

0.0000

283.0274,
333.3304, 291.6605

■ 0.0000, 0.0000,
0.0000

■ 39.9413, 51.9994,
37.2099

■ 39.9413, 51.9994,
37.2099

■ 34.9620, 49.6091,
29.0643

■ 45.8652, 54.8465,
46.8984

■ 30.8747, 47.6458,
22.3787

■ 52.7745, 58.1654,
58.1999

■ 27.6279, 46.0862,
17.0680

■ 60.7129, 61.9786,
71.1845

■ 25.1632, 44.9023,
13.0365

■ 69.7199, 66.3051,
85.9170

■ 23.4149, 44.0625,
10.1766

■ 79.8332, 71.1631,
102.4590

■ 22.3062, 43.5299,
8.3631

■ 80.8839, 71.6678,
104.1780

■ 21.7414, 43.2586,
7.4393

■ 21.5939, 43.1878,
7.1980

Harmonies

Analogous

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



44.6563, 51.9994, 29.1236



39.9413, 51.9994, 37.2099



37.8026, 51.9994, 52.0912

Triad

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



39.9413, 51.9994, 37.2099



47.8167, 51.9994, 101.2238



62.1741, 51.9994, 43.6414

Complementary

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



39.9413, 51.9994, 37.2099



46.8693, 39.3314, 62.2505

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.



63.2118, 51.9994, 61.4008



39.9413, 51.9994, 37.2099



54.5192, 51.9994, 97.5339

Square

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



39.9413, 51.9994, 37.2099



42.0772, 51.9994, 90.9982



60.2997, 51.9994, 81.8189



57.5795, 51.9994, 32.2145

Rectangle

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



39.9413, 51.9994, 37.2099



37.9773, 51.9994, 65.0463



60.2997, 51.9994, 81.8189



62.9663, 51.9994, 48.9520

Sweetspot

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



39.9427, 52.0016, 37.2110



84.8267, 95.0892, 92.1780



52.0829, 58.2601, 37.7789



17.7717, 20.1682, 19.1006



0.0000, 0.0000, 0.0000



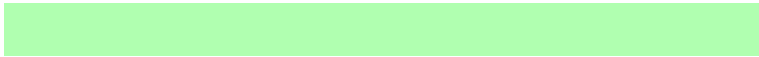
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.9427, 52.0016, 37.2110



61.4848, 83.8769, 53.9981



42.3426, 52.9616, 49.8491



11.0681, 12.5370, 11.9160



13.5908, 27.1816, 4.5303



0.7011, 1.4023, 0.2337

Inverse Universe

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



46.8693, 39.3314, 62.2505



74.8054, 59.5110, 102.1511



43.9558, 38.1660, 46.9082



11.6876, 11.4038, 14.1555



22.5334, 10.8239, 36.8569



1.1625, 0.5584, 1.9014

Previews

White Background



This preview shows how the XYZ color 39.9413, 51.9994, 37.2099 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 39.9413, 51.9994, 37.2099 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

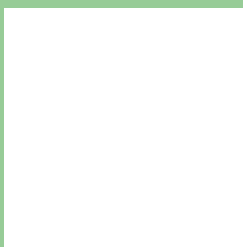
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.9413, 51.9994, 37.2099

Background



This preview shows how black text looks on a background with the XYZ color 39.9413, 51.9994, 37.2099.



This preview shows how white text looks on a background with the XYZ color 39.9413, 51.9994,

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

39.9413, 51.9994, 37.2099

Protanopia

48.1529, 51.5678, 34.2037

Deuteranopia

52.7530, 51.6394, 38.6395



Tritanopia

46.5239, 51.9147, 69.8558

Trichromacy



Original Color

39.9413, 51.9994, 37.2099

Protanomaly

44.5487, 51.3271, 35.1629

Deuteranomaly

47.2285, 51.3305, 37.9904

Tritanomaly

43.8182, 51.8337, 56.4106

Monochromacy



Original Color

39.9413, 51.9994, 37.2099

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

42.5587, 48.4251, 45.6320

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9413, 51.9994, 37.2099 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(151, 204, 151)` looks like.

```
.text, #text, p{  
    color:rgb(151, 204, 151)  
}
```

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(151, 204, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 204, 151) }
```

Border

The CSS property to change the border of an element to XYZ 39.9413, 51.9994, 37.2099 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(151, 204, 151) }
```


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

```
.border{ border-color:rgb(151, 204, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 204, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 204, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 204, 151);  
box-shadow:4px 4px 4px 4px rgb(151, 204,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9413, 51.9994, 37.2099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 204, 151) }
```

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

```
.background{ background-color: rgb(151,  
204, 151) }
```

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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