

Converting Colors

XYZ(39.1237, 50.7711, 42.0125)

Have a look what the booklet for
XYZ(39.1237, 50.7711, 42.0125)
contains.

XYZ(39.1437, 50.7790, 41.9207)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(39.1437, 50.7790,
41.9207)**

Conversions

Conversions Part 1

Format	Color
Hex	90CAA2
RGB	144, 202, 162
RGB Percent	56%, 79%, 64%
CMY	0.4353, 0.2078, 0.3647
CMYK	0.29, 0.00, 0.20, 0.21
HSL	139°, 35%, 68%
HSV	139°, 29%, 79%
XYZ	39.1437, 50.7790, 41.9207
YIQ	180.0980, -21.7280, -24.7360

Conversions

Conversions Part 2

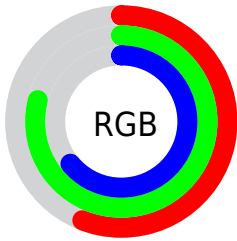
Format	Color
RYB	144, 188, 202
Decimal	9489058
CIELab	76.54, -26.90, 14.06
CIELCh	77, 30.354, 152.398
Yxy	50.7790, 0.2969, 0.3851
Android (android.graphics.Color)	4287679138 (0xFF90CAA2)
YUV	180.0980, -8.9223, -31.6579
Hunter-Lab	71.2594, -26.6516, 15.0023

Details

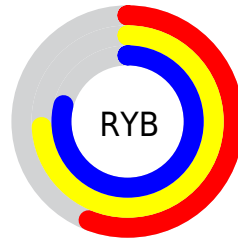
The XYZ color **39.1437, 50.7790, 41.9207** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **42.9838, 35.9649, 50.0258**, and the grayscale version is **43.4909, 45.7558, 49.8281**.

A 20% lighter version of the original color is **71.8376, 88.6719, 78.9748**, and **17.8180, 24.5809, 18.5573** is the 20% darker color. If you saturate the color by 10%, you get **34.7558, 48.6536, 35.6055**, and if you desaturate by 10%, it is **44.3029, 53.2890, 48.9905**.

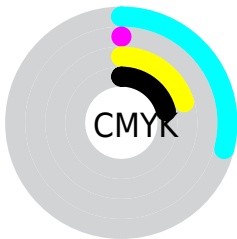
Distribution



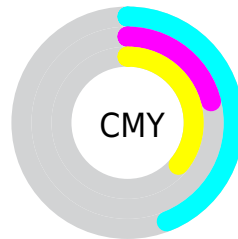
- Red (56%)
- Green (79%)
- Blue (64%)



- Red (56%)
- Yellow (74%)
- Blue (79%)



- Cyan (29%)
- Magenta (0%)
- Yellow (20%)
- Black (21%)



- Cyan (44%)
- Magenta (21%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.1437, 50.7790, 41.9207 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 39.1437, 50.7790, 41.9207 by changing the saturation by 10% instead.

■ 39.1437, 50.7790,
41.9207

■ 39.1437, 50.7790,
41.9207

333.6977,
389.7045, 369.9441

■ 27.0528, 36.0328,
28.7141

■ 73.1505, 91.3280,
79.3484

■ 17.7496, 24.4595,
18.6209

■ 95.7970, 117.8996,
104.4066

■ 10.8690, 15.6748,
11.2227

122.6928,
149.1817, 134.2523

■ 6.0455, 9.2943,
6.1008

154.2031,
185.5588, 169.3042

■ 2.9137, 4.9337,
2.8367

190.6935,
227.4152, 209.9808

■ 1.1083, 2.2084,
1.0118

232.5291,

■ 0.0320, 0.7246,

275.1354, 256.7006

0.0000

280.0754,
329.1037, 309.8822

■ 0.0000, 0.0000,
0.0000

■ 39.1437, 50.7790,
41.9207

■ 39.1437, 50.7790,
41.9207

■ 34.7558, 48.6536,
35.6055

■ 44.3029, 53.2890,
48.9905

■ 31.0969, 46.8873,
30.0163

■ 50.2646, 56.1949,
56.8352

■ 28.1270, 45.4614,
25.1279

■ 57.0634, 59.5155,
65.4787

■ 25.8001, 44.3527,
20.9122

■ 64.7307, 63.2666,
74.9429

■ 24.0646, 43.5353,
17.3392

■ 73.2959, 67.4629,
85.2487

■ 22.8603, 42.9788,
14.3765

■ 78.9332, 70.1317,
96.2361

■ 22.0932, 42.6355,
11.9877

■ 80.4115, 70.7230,
104.0205

■ 22.0101, 42.5984,
11.7196

Harmonies

Analogous

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



42.5980, 50.7790, 32.6975



39.1437, 50.7790, 41.9207



38.0715, 50.7790, 56.6206

Triad

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



39.1437, 50.7790, 41.9207



48.7264, 50.7790, 93.1879



58.1772, 50.7790, 40.0477

Complementary

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



39.1437, 50.7790, 41.9207



42.9838, 35.9649, 50.0258

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.



60.1302, 50.7790, 53.9798



39.1437, 50.7790, 41.9207



54.4112, 50.7790, 86.4407

Square

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



39.1437, 50.7790, 41.9207



43.3370, 50.7790, 88.2316



58.7010, 50.7790, 71.2359



53.5508, 50.7790, 31.7760

Rectangle

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



39.1437, 50.7790, 41.9207



38.7772, 50.7790, 68.2057



58.7010, 50.7790, 71.2359



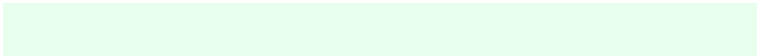
59.1839, 50.7790, 44.1168

Sweetspot

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



39.1451, 50.7811, 41.9218



84.6604, 94.9264, 95.6554



46.0676, 54.5217, 34.4818



17.7852, 20.1544, 20.0387



0.0000, 0.0000, 0.0000



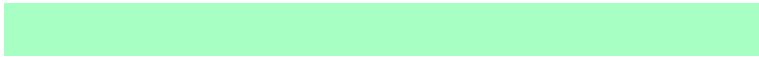
20.3446, 21.4041, 23.3091

Same Dimension

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



39.1451, 50.7811, 41.9218



61.8461, 83.8273, 64.6729



41.9618, 51.9078, 56.7544



11.2090, 12.5934, 12.6582



14.1981, 27.4245, 7.7281



0.7667, 1.4285, 0.5790

Inverse Universe

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



42.9838, 35.9649, 50.0258



69.3147, 54.9828, 80.4264



40.2988, 34.8909, 35.8866



11.5336, 11.3422, 13.3443



18.7285, 9.3020, 16.8210



0.9993, 0.4931, 1.0422

Previews

White Background



This preview shows how the XYZ color 39.1437, 50.7790, 41.9207 looks on a white background.

Color Contrast Check

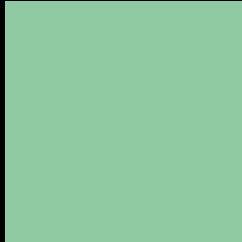
Large Text (above 18pt) WCAG AA × Fail

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 39.1437, 50.7790, 41.9207 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

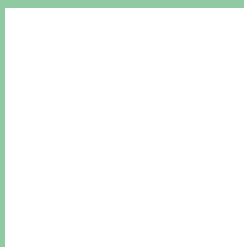
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.1437, 50.7790, 41.9207

Background



This preview shows how black text looks on a background with the XYZ color 39.1437, 50.7790, 41.9207.



This preview shows how white text looks on a background with the XYZ color 39.1437, 50.7790,

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

39.1437, 50.7790, 41.9207

Protanopia

47.4528, 50.4751, 38.2520

Deuteranopia

51.1384, 50.0971, 43.0508



Tritanopia

44.5994, 50.6034, 69.0448

Trichromacy



Original Color

39.1437, 50.7790, 41.9207

Protanomaly

43.8319, 50.1923, 39.7256

Deuteranomaly

45.9754, 49.9306, 42.8117

Tritanomaly

42.3974, 50.7225, 58.0079

Monochromacy



Original Color

39.1437, 50.7790, 41.9207

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

41.4624, 47.1991, 46.4602

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.1437, 50.7790, 41.9207 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(144, 202, 162)` looks like.

```
.text, #text, p{  
    color:rgb(144, 202, 162)  
}
```

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(144, 202, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 202, 162) }
```

Border

The CSS property to change the border of an element to XYZ 39.1437, 50.7790, 41.9207 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(144, 202, 162) }
```


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

```
.border{ border-color:rgb(144, 202, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 202, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 202, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 202, 162);  
box-shadow:4px 4px 4px 4px rgb(144, 202,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 39.1437, 50.7790, 41.9207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 202, 162) }
```

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

```
.background{ background-color: rgb(144,  
202, 162) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor