

Converting Colors

XYZ(40.0248, 51.6252, 31.3285)

Have a look what the booklet for
XYZ(40.0248, 51.6252, 31.3285)
contains.

XYZ(39.8625, 51.3896, 31.1108)	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(39.8625, 51.3896,
31.1108)**

Conversions

Conversions Part 1

Format	Color
Hex	9FCA88
RGB	159, 202, 136
RGB Percent	62%, 79%, 53%
CMY	0.3765, 0.2078, 0.4667
CMYK	0.21, 0.00, 0.33, 0.21
HSL	99°, 38%, 66%
HSV	99°, 33%, 79%
XYZ	39.8625, 51.3896, 31.1108
YIQ	181.6190, -4.4420, -29.6420

Conversions

Conversions Part 2

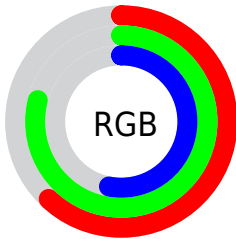
Format	Color
RYB	136, 202, 179
Decimal	10472072
CIELab	76.91, -26.23, 28.47
CIELCh	77, 38.709, 132.655
Yxy	51.3896, 0.3258, 0.4200
Android (android.graphics.Color)	4288662152 (0xFF9FCA88)
YUV	181.6190, -22.4902, -19.8369
Hunter-Lab	71.6865, -26.1935, 24.4497

Details

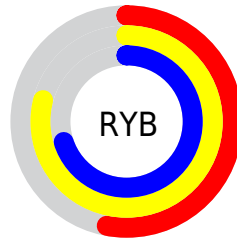
The XYZ color **39.8625, 51.3896, 31.1108** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **38.0576, 31.4579, 59.9461**, and the grayscale version is **44.3774, 46.6885, 50.8438**.

A 20% lighter version of the original color is **73.0786, 89.6848, 62.1744**, and **18.1735, 24.8999, 12.4426** is the 20% darker color. If you saturate the color by 10%, you get **36.0878, 49.5958, 24.1335**, and if you desaturate by 10%, it is **44.1884, 53.4394, 39.5284**.

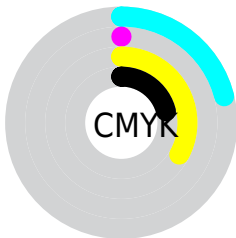
Distribution



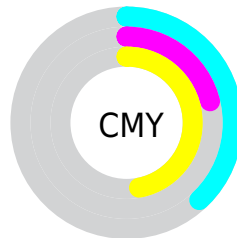
- Red (62%)
- Green (79%)
- Blue (53%)



- Red (53%)
- Yellow (79%)
- Blue (70%)



- Cyan (21%)
- Magenta (0%)
- Yellow (33%)
- Black (21%)





- Cyan (38%)
- Magenta (21%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.8625, 51.3896, 31.1108 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 39.8625, 51.3896, 31.1108 by changing the saturation by 10% instead.


 39.8625, 51.3896,
31.1108


 39.8625, 51.3896,
31.1108


336.6881,
392.0756, 321.4154


 27.6151, 36.5188,
20.4241


 74.2398, 92.2304,
62.4961

 18.1747, 24.8351,
12.5165


 97.1003, 118.9692,
84.0317

 11.1759, 15.9543,
6.9697


 124.2293,
150.4327, 110.0207

 6.2534, 9.4918,
3.3650

155.9921,
187.0054, 140.8817

 3.0419, 5.0633,
1.2839

192.7540,
229.0716, 177.0331

 1.1760, 2.2845,
0.0485

234.8804,

 0.0873, 0.7655,

277.0158, 218.8935

0.0000

282.7366,
331.2223, 266.8814

■ 0.0000, 0.0000,
0.0000

■ 39.8625, 51.3896,
31.1108

■ 39.8625, 51.3896,
31.1108

■ 36.0878, 49.5958,
24.1335

■ 44.1884, 53.4394,
39.5284

■ 32.8365, 48.0407,
18.5124

■ 49.0838, 55.7484,
49.4572

■ 30.0840, 46.7152,
14.1601


■ 54.5712, 58.3282,
60.9677


■ 27.8019, 45.6068,
10.9773


■ 60.6703, 61.1875,
74.1248


■ 25.9586, 44.7017,
8.8502


■ 67.4002, 64.3348,
88.9897

 24.5172, 43.9839,
7.6420

 74.4217, 67.6353,
103.7402

 23.6754, 43.5598,
7.1601

 79.0031, 69.9971,
103.9546

 80.4116, 70.7232,
104.0205

Harmonies

Analogous

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



45.8067, 51.3896, 24.9757



39.8625, 51.3896, 31.1108



36.5343, 51.3896, 44.7123

Triad

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



39.8625, 51.3896, 31.1108



44.7424, 51.3896, 104.2882



64.0073, 51.3896, 47.5305

Complementary

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



39.8625, 51.3896, 31.1108



38.0576, 31.4579, 59.9461

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.



63.6488, 51.3896, 68.9391



39.8625, 51.3896, 31.1108



52.0132, 51.3896, 105.5947

Square

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



39.8625, 51.3896, 31.1108



39.1510, 51.3896, 88.1837



59.0830, 51.3896, 91.4008



60.0183, 51.3896, 32.7250

Rectangle

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



39.8625, 51.3896, 31.1108



36.0185, 51.3896, 57.8545



59.0830, 51.3896, 91.4008



64.4019, 51.3896, 54.0967

Sweetspot

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



39.8638, 51.3918, 31.1119



85.3622, 95.4490, 88.4197



44.9033, 46.5365, 29.9091



17.9976, 20.3013, 18.3577



0.0000, 0.0000, 0.0000



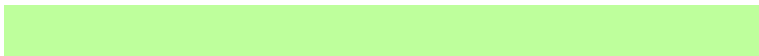
20.3446, 21.4041, 23.3091

Same Dimension

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



39.8638, 51.3918, 31.1119



63.0085, 84.8783, 44.3153



36.4560, 49.5500, 34.7971



11.4306, 12.7239, 11.9329



15.3215, 28.0738, 4.6113



0.8720, 1.4903, 0.2417

Inverse Universe

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



38.0576, 31.4579, 59.9461



59.4836, 46.1161, 100.3739



42.6888, 33.9765, 54.2379



11.2934, 11.2005, 14.1371



13.0439, 5.9319, 36.4138



0.7529, 0.3472, 1.8823

Previews

White Background



This preview shows how the XYZ color 39.8625, 51.3896, 31.1108 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 39.8625, 51.3896, 31.1108 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 39.8625, 51.3896, 31.1108

Background



This preview shows how black text looks on a background with the XYZ color 39.8625, 51.3896, 31.1108.

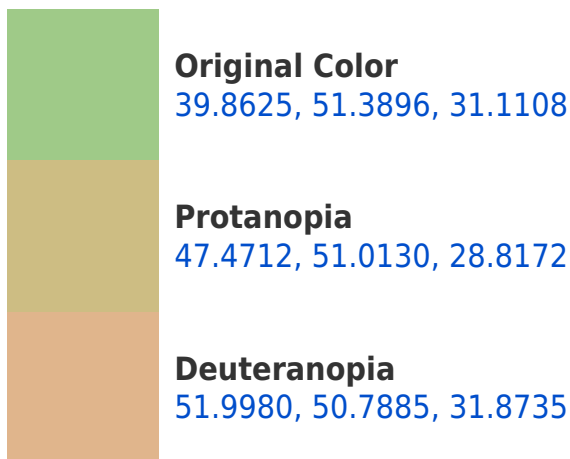


This preview shows how white text looks on a background with the XYZ color 39.8625, 51.3896,

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





Tritanopia

47.0327, 51.2400, 67.0859

Trichromacy



Original Color

39.8625, 51.3896, 31.1108

Protanomaly

44.2645, 50.9684, 29.6952

Deuteranomaly

46.6772, 50.5386, 31.7209

Tritanomaly

43.9093, 50.9642, 51.7788

Monochromacy



Original Color

39.8625, 51.3896, 31.1108

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

42.4447, 48.1105, 42.6465

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8625, 51.3896, 31.1108 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(159, 202, 136)` looks like.

```
.text, #text, p{  
    color:rgb(159, 202, 136)  
}
```

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(159, 202, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 202, 136) }
```

Border

The CSS property to change the border of an element to XYZ 39.8625, 51.3896, 31.1108 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(159, 202, 136) }
```


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

```
.border{ border-color:rgb(159, 202, 136) }
```

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

Here you see how a box with a 4 pixel rgb(159, 202, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 202, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 202, 136);  
box-shadow:4px 4px 4px 4px rgb(159, 202,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8625, 51.3896, 31.1108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 202, 136) }
```

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

```
.background{ background-color: rgb(159,  
202, 136) }
```

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