

Converting Colors

XYZ(39.9165, 51.5758, 39.8772)

Have a look what the booklet for
XYZ(39.9165, 51.5758, 39.8772)
contains.

XYZ(39.8362, 51.5358, 39.7461)	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(39.8362, 51.5358,
39.7461)**

Conversions

Conversions Part 1

Format	Color
Hex	95CB9D
RGB	149, 203, 157
RGB Percent	58%, 80%, 62%
CMY	0.4157, 0.2039, 0.3843
CMYK	0.27, 0.00, 0.23, 0.20
HSL	129°, 34%, 69%
HSV	129°, 27%, 80%
XYZ	39.8362, 51.5358, 39.7461
YIQ	181.6100, -17.4180, -25.7540

Conversions

Conversions Part 2

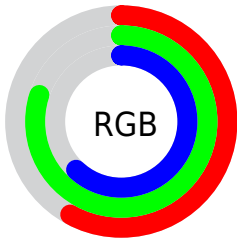
Format	Color
RYB	149, 196, 203
Decimal	9816989
CIELab	77.00, -26.69, 17.41
CIELCh	77, 31.868, 146.879
Yxy	51.5358, 0.3038, 0.3930
Android (android.graphics.Color)	4288007069 (0xFF95CB9D)
YUV	181.6100, -12.1327, -28.5990
Hunter-Lab	71.7884, -26.5781, 17.4256

Details

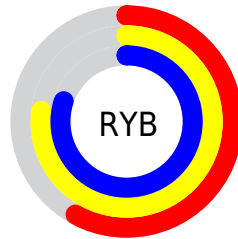
The XYZ color **39.8362, 51.5358, 39.7461** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **45.2282, 38.1327, 56.6086**, and the grayscale version is **44.3231, 46.6314, 50.7816**.

A 20% lighter version of the original color is **72.5455, 89.1108, 75.6639**, and **18.2787, 25.0769, 17.5126** is the 20% darker color. If you saturate the color by 10%, you get **35.0770, 49.2425, 32.3545**, and if you desaturate by 10%, it is **45.4527, 54.2498, 48.2709**.

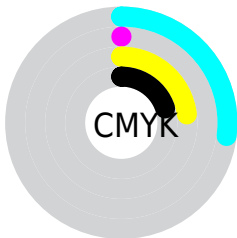
Distribution



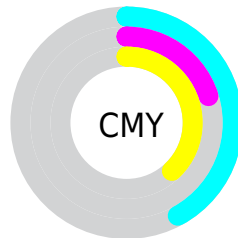
- Red (58%)
- Green (80%)
- Blue (62%)



- Red (58%)
- Yellow (77%)
- Blue (80%)



- Cyan (27%)
- Magenta (0%)
- Yellow (23%)
- Black (20%)





- Cyan (42%)
- Magenta (20%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.8362, 51.5358, 39.7461 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 39.8362, 51.5358, 39.7461 by changing the saturation by 10% instead.


 39.8362, 51.5358,
39.7461


 39.8362, 51.5358,
39.7461


336.5790,
392.6419, 360.5725

 27.5945, 36.6352,
27.0284


 74.1999, 92.4463,
76.0096

 18.1591, 24.9252,
17.3619


 97.0527, 119.2250,
100.3924

 11.1647, 16.0213,
10.3282


124.1732,
150.7318, 129.5007

 6.2458, 9.5392,
5.5086

155.9268,
187.3511, 163.7529

 3.0372, 5.0945,
2.4848

192.6788,
229.4674, 203.5677

 1.1735, 2.3028,
0.8321

234.7946,

 0.0853, 0.7752,

277.4651, 249.3635

0.0000

282.6395,
331.7284, 301.5589

■ 0.0000, 0.0000,
0.0000

■ 39.8362, 51.5358,
39.7461

■ 39.8362, 51.5358,
39.7461

■ 35.0770, 49.2425,
32.3545

■ 45.4527, 54.2498,
48.2709

■ 31.1288, 47.3427,
26.0451

■ 51.9617, 57.3974,
57.9701

■ 27.9471, 45.8159,
20.7682

■ 59.4014, 60.9988,
68.8873

■ 25.4813, 44.6374,
16.4685

■ 67.8066, 65.0710,
81.0626

■ 23.6749, 43.7792,
13.0861

■ 77.2102, 69.6303,
94.5344

■ 22.4625, 43.2089,
10.5539

■ 80.6470, 71.1939,
104.0990

■ 21.7610, 42.8855,
8.7960

■ 21.5923, 42.8080,
8.3581

Harmonies

Analogous

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



43.8892, 51.5358, 31.2492



39.8362, 51.5358, 39.7461



38.2199, 51.5358, 54.3119

Triad

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



39.8362, 51.5358, 39.7461



48.3500, 51.5358, 96.5889



60.1596, 51.5358, 42.3061

Complementary

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



39.8362, 51.5358, 39.7461



45.2282, 38.1327, 56.6086

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.



61.5985, 51.5358, 57.9550



39.8362, 51.5358, 39.7461



54.4569, 51.5358, 91.5586

Square

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



39.8362, 51.5358, 39.7461



42.8733, 51.5358, 89.0572



59.4331, 51.5358, 76.4518



55.6477, 51.5358, 32.4984

Rectangle

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



39.8362, 51.5358, 39.7461



38.6332, 51.5358, 66.3993



59.4331, 51.5358, 76.4518



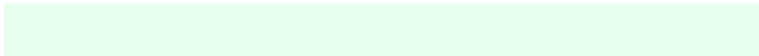
61.0340, 51.5358, 46.9492

Sweetspot

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



39.8376, 51.5380, 39.7472



85.2662, 95.2650, 94.4922



49.4958, 56.5934, 36.7492



17.8812, 20.2120, 19.6774



0.0000, 0.0000, 0.0000



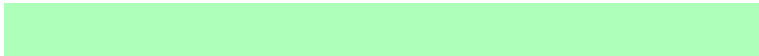
20.3446, 21.4041, 23.3091

Same Dimension

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



39.8376, 51.5380, 39.7472



61.8908, 83.9734, 59.1165



42.3200, 52.5310, 52.8197



11.1346, 12.5636, 12.2665



13.7615, 27.2499, 5.4292



0.7322, 1.4147, 0.3972

Inverse Universe

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



45.2282, 38.1327, 56.6086



72.4246, 57.7665, 92.0565



42.5203, 37.0496, 42.3491



11.6133, 11.3741, 13.7644



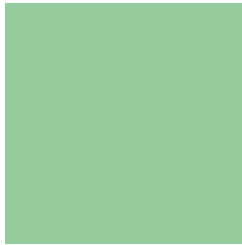
20.4957, 10.0089, 26.1268



1.0773, 0.5243, 1.4529

Previews

White Background



This preview shows how the XYZ color 39.8362, 51.5358, 39.7461 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 39.8362, 51.5358, 39.7461 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

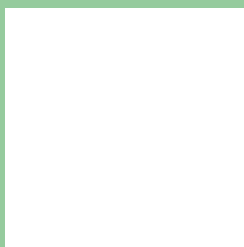
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.8362, 51.5358, 39.7461

Background



This preview shows how black text looks on a background with the XYZ color 39.8362, 51.5358, 39.7461.



This preview shows how white text looks on a background with the XYZ color 39.8362, 51.5358,

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

39.8362, 51.5358, 39.7461

Protanopia

47.7900, 51.0147, 36.1822

Deuteranopia

52.0744, 50.9345, 40.8049



Tritanopia

45.7959, 51.5539, 69.1652

Trichromacy



Original Color

39.8362, 51.5358, 39.7461

Protanomaly

44.3330, 50.8286, 37.6113

Deuteranomaly

46.7509, 50.7024, 40.5802

Tritanomaly

43.3450, 51.5770, 56.9610

Monochromacy



Original Color

39.8362, 51.5358, 39.7461

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

42.5338, 48.3901, 46.6336

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8362, 51.5358, 39.7461 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(149, 203, 157)` looks like.

```
.text, #text, p{  
    color:rgb(149, 203, 157)  
}
```

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(149, 203, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 203, 157) }
```

Border

The CSS property to change the border of an element to XYZ 39.8362, 51.5358, 39.7461 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(149, 203, 157) }
```


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

```
.border{ border-color:rgb(149, 203, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 203, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 203, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 203, 157);  
box-shadow:4px 4px 4px 4px rgb(149, 203,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8362, 51.5358, 39.7461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 203, 157) }
```

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

```
.background{ background-color: rgb(149,  
203, 157) }
```

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