

# Converting Colors

XYZ(38.7952, 39.1290, 39.7660)

Have a look what the booklet for  
XYZ(38.7952, 39.1290, 39.7660)  
contains.

<b>XYZ(38.7991, 39.2222, 39.7081)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(38.7991, 39.2222,  
39.7081)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4A5A2
RGB	180, 165, 162
RGB Percent	71%, 65%, 64%
CMY	0.2941, 0.3529, 0.3647
CMYK	0.00, 0.08, 0.10, 0.29
HSL	10°, 11%, 67%
HSV	10°, 10%, 71%
XYZ	38.7991, 39.2222, 39.7081
YIQ	169.1430, 9.9030, 2.2470

# Conversions

## Conversions Part 2

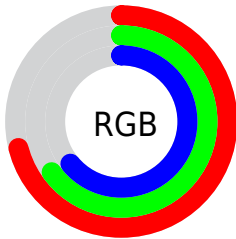
Format	Color
<a href="#">RYB</a>	<a href="#">180, 166, 162</a>
Decimal	<a href="#">11838882</a>
CIELab	<a href="#">68.91, 4.91, 3.51</a>
CIELCh	<a href="#">69, 6.033, 35.573</a>
Yxy	<a href="#">39.2222, 0.3296, 0.3332</a>
Android (android.graphics.Color)	<a href="#">4290028962</a> ( <a href="#">0xFFB4A5A2</a> )
YUV	<a href="#">169.1430, -3.5215, 9.5216</a>
Hunter-Lab	<a href="#">62.6276, 0.9861, 6.2474</a>

# Details

The XYZ color **38.7991, 39.2222, 39.7081** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.8605, 42.4201, 49.3202**, and the grayscale version is **37.7972, 39.7656, 43.3047**.

A 20% lighter version of the original color is **72.7097, 74.0290, 76.1025**, and **17.4720, 17.4481, 17.1988** is the 20% darker color. If you saturate the color by 10%, you get **34.7643, 33.5322, 31.0261**, and if you desaturate by 10%, it is **43.3824, 45.6417, 49.7039**.

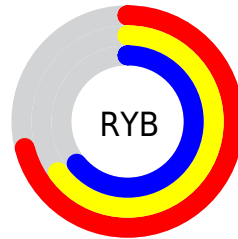
# Distribution



Red (71%)

Green (65%)

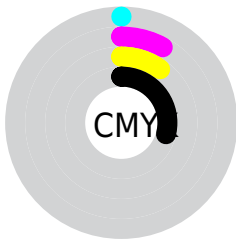
Blue (64%)



Red (71%)

Yellow (65%)

Blue (64%)

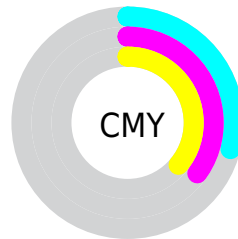


Cyan (0%)

Magenta (8%)

Yellow (10%)

Black (29%)



Cyan (29%)

Magenta (35%)

Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7991, 39.2222, 39.7081 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 38.7991, 39.2222, 39.7081 by changing the saturation by 10% instead.



■ 38.7991, 39.2222,  
39.7081

■ 38.7991, 39.2222,  
39.7081

332.2575,  
342.8343, 360.4072

■ 26.7835, 26.9326,  
26.9990

■ 72.6273, 73.9776,  
75.9510

■ 17.5464, 17.5226,  
17.3400

■ 95.1707, 97.2123,  
100.3219

■ 10.7226, 10.6078,  
10.3127

121.9540,  
124.8641, 129.4171

■ 5.9465, 5.8038,  
5.4985

153.3427,  
157.3175, 163.6552

■ 2.8529, 2.7261,  
2.4788

189.7020,  
194.9568, 203.4547

■ 1.0765, 0.9905,  
0.8289

231.3973,

■ 0.0053, 0.0000,

238.1664, 249.2342

0.0000

278.7940,  
287.3308, 301.4122

■ 0.0000, 0.0000,  
0.0000

■ 38.7991, 39.2222,  
39.7081

■ 38.7991, 39.2222,  
39.7081

■ 34.7643, 33.5322,  
31.0261

■ 43.3824, 45.6417,  
49.7039

■ 31.2540, 28.5408,  
23.6007

■ 48.5304, 52.8099,  
61.0624

■ 28.2476, 24.2225,  
17.3742

■ 54.2627, 60.7519,  
73.8330

■ 25.7214, 20.5483,  
12.2836

■ 60.5969, 69.4897,  
88.0621

■ 23.6502, 17.4871,  
8.2599

■ 67.5501, 79.0449,  
103.7937

■ 22.0061, 15.0052,  
5.2265

■ 72.6277, 88.4337,  
107.8493

■ 20.7583, 13.0653,  
3.0969

■ 72.6326, 88.4434,  
107.8509

■ 19.8713, 11.6262,  
1.7690

■ 19.2877, 10.6337,  
1.0359

# Harmonies

## Analogous

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



39.1445, 39.2222, 42.1956



38.7991, 39.2222, 39.7081



38.0470, 39.2222, 38.0776

# Triad

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



38.7991, 39.2222, 39.7081



35.6262, 39.2222, 40.5601



37.4588, 39.2222, 48.1792

# Complementary

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



38.7991, 39.2222, 39.7081



38.8605, 42.4201, 49.3202

# 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.



36.5224, 39.2222, 47.6957



38.7991, 39.2222, 39.7081



35.4748, 39.2222, 43.2211

# Square

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



38.7991, 39.2222, 39.7081



36.2174, 39.2222, 38.5545



35.8002, 39.2222, 45.8518



38.3622, 39.2222, 47.1460



# Rectangle

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



38.7991, 39.2222, 39.7081



37.4220, 39.2222, 37.6560



35.8002, 39.2222, 45.8518



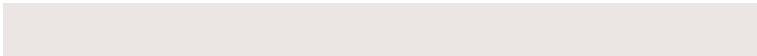
37.1374, 39.2222, 48.1892

# Sweetspot

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



38.8002, 39.2239, 39.7089



76.0183, 79.0641, 84.3347



39.6790, 38.7188, 46.9776



16.2839, 16.8838, 17.9080



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787



# Same Dimension

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



38.8002, 39.2239, 39.7089



68.6545, 68.7329, 68.3266



40.4805, 42.5845, 40.2690



8.6072, 8.7268, 8.8833



13.4959, 7.4904, 0.7345



0.4595, 0.3054, 0.0347



# Inverse Universe

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



38.8605, 42.4201, 49.3202



68.7856, 75.7006, 89.2809



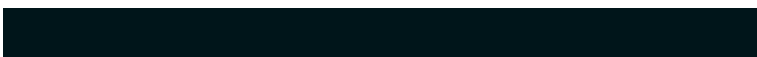
37.1416, 38.9825, 48.7472



8.6196, 9.3854, 10.8636



13.4002, 17.6008, 32.8280



0.4536, 0.6178, 1.0436



# Previews

## White Background



This preview shows how the XYZ color 38.7991, 39.2222, 39.7081 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 38.7991, 39.2222, 39.7081 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

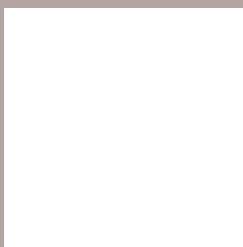
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 38.7991, 39.2222, 39.7081**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.7991, 39.2222, 39.7081.



This preview shows how white text looks on a background with the XYZ color 38.7991, 39.2222,



# 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

38.7991, 39.2222, 39.7081

### Protanopia

37.4428, 39.0524, 40.2148

### Deuteranopia

40.1123, 39.3678, 39.6670



## Tritanopia

40.2251, 39.2741, 46.5349

# Trichromacy



## Original Color

38.7991, 39.2222, 39.7081

## Protanomaly

37.9263, 39.0307, 40.1851

## Deuteranomaly

39.5642, 39.3499, 39.6925

## Tritanomaly

39.6822, 39.3150, 44.0251

# Monochromacy



## Original Color

38.7991, 39.2222, 39.7081

## Achromatopsia

37.7116, 39.6755, 43.2066

## Achromatomaly

38.1191, 39.6427, 41.7191

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.7991, 39.2222, 39.7081 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(180, 165, 162) looks like.

```
.text, #text, p{  
    color:rgb(180, 165, 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(180, 165, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 165, 162) }
```

## Border

The CSS property to change the border of an element to XYZ 38.7991, 39.2222, 39.7081 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(180, 165, 162) }
```



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

```
.border{ border-color:rgb(180, 165, 162) }
```

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

Here you see how a box with a 4 pixel rgb(180, 165, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 165, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 165, 162);  
box-shadow:4px 4px 4px 4px rgb(180, 165,  
162) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.7991, 39.2222, 39.7081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 165, 162) }
```

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

```
.background{ background-color: rgb(180,  
165, 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](#).

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