

# Converting Colors

XYZ(38.7247, 39.1053, 19.1427)

Have a look what the booklet for  
XYZ(38.7247, 39.1053, 19.1427)  
contains.

<b>XYZ(38.7247, 39.1053, 19.1427)</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(38.7247, 39.1053,  
19.1427)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5A36A
RGB	197, 163, 106
RGB Percent	77%, 64%, 42%
CMY	0.2275, 0.3608, 0.5843
CMYK	0.00, 0.17, 0.46, 0.23
HSL	38°, 44%, 59%
HSV	38°, 46%, 77%
XYZ	38.7247, 39.1053, 19.1427
YIQ	166.6680, 38.5610, -10.5190

# Conversions

## Conversions Part 2

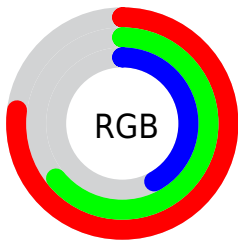
Format	Color
<a href="#">RYB</a>	<a href="#">160, 197, 106</a>
Decimal	<a href="#">12952426</a>
CIELab	<a href="#">68.83, 5.03, 34.21</a>
CIElCh	<a href="#">69, 34.581, 81.630</a>
Yxy	<a href="#">39.1053, 0.3993, 0.4033</a>
Android (android.graphics.Color)	<a href="#">4291142506 (0xFFC5A36A)</a>
YUV	<a href="#">166.6680, -29.9093, 26.6012</a>
Hunter-Lab	<a href="#">62.5342, 1.1023, 25.6244</a>

# Details

The XYZ color **38.7247, 39.1053, 19.1427** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **25.3997, 25.8507, 56.4743**, and the grayscale version is **36.6976, 38.6087, 42.0449**.

A 20% lighter version of the original color is **72.4830, 73.8714, 42.7861**, and **17.4075, 17.3270, 6.2979** is the 20% darker color. If you saturate the color by 10%, you get **36.5469, 36.2052, 13.9300**, and if you desaturate by 10%, it is **41.2158, 42.2553, 25.6217**.

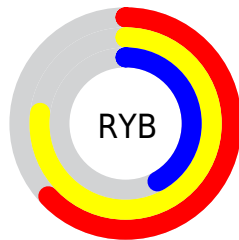
# Distribution



Red (77%)

Green (64%)

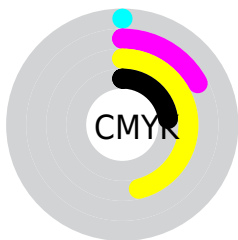
Blue (42%)



Red (63%)

Yellow (77%)

Blue (42%)

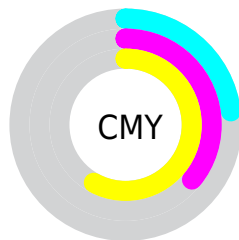


Cyan (0%)

Magenta (17%)

Yellow (46%)

Black (23%)



Cyan (23%)

Magenta (36%)

Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7247, 39.1053, 19.1427 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 38.7247, 39.1053, 19.1427 by changing the saturation by 10% instead.





 38.7247, 39.1053,  
19.1427


 38.7247, 39.1053,  
19.1427


331.9460,  
342.3380, 259.6843


 26.7254, 26.8417,  
11.5956


 72.5143, 73.7992,  
42.8150


 17.5026, 17.4543,  
6.3498


 95.0354, 96.9982,  
59.7773

 10.6910, 10.5589,  
2.9867


 121.7943,  
124.6111, 80.7150

 5.9252, 5.7711,  
1.0878

 153.1566,  
157.0223, 106.0467

 2.8399, 2.7064,  
0.0000

189.4876,  
194.6162, 136.1909

 1.0697, 0.9804,  
0.0000

231.1526,

 0.0000, 0.0000,

237.7771, 171.5663

0.0000

278.5169,  
286.8896, 212.5912

■ 38.7247, 39.1053,  
19.1427

■ 38.7247, 39.1053,  
19.1427

■ 36.5469, 36.2052,  
13.9300

■ 41.2158, 42.2553,  
25.6217

■ 34.6620, 33.5405,  
9.8948

■ 44.0334, 45.6581,  
33.4428

■ 33.0511, 31.1029,  
6.9404


■ 47.1932, 49.3235,  
42.6789


■ 31.6915, 28.8812,  
4.9535

■ 50.7090, 53.2588,  
53.3966


■ 30.5545, 26.8616,  
3.7898


■ 54.5939, 57.4712,  
65.6583

 30.1593, 26.1370,  
3.4554

 58.8600, 61.9672,  
79.5231

 63.5189, 66.7535,  
95.0466

 67.1656, 71.2696,  
104.8241

 69.1618, 75.2620,  
105.4896

# Harmonies

## Analogous

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



44.1065, 39.1053, 23.0177



38.7247, 39.1053, 19.1427



33.4149, 39.1053, 20.2218

# Triad

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



38.7247, 39.1053, 19.1427



28.2017, 39.1053, 54.7110



46.0650, 39.1053, 64.2133

# Complementary

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



38.7247, 39.1053, 19.1427



25.3997, 25.8507, 56.4743

# 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.



41.1930, 39.1053, 77.2784



38.7247, 39.1053, 19.1427



30.9990, 39.1053, 70.9199

# Square

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



38.7247, 39.1053, 19.1427



27.6805, 39.1053, 38.3323



35.6544, 39.1053, 79.9956



48.6089, 39.1053, 47.1284



# Rectangle

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



38.7247, 39.1053, 19.1427



30.5934, 39.1053, 23.7586



35.6544, 39.1053, 79.9956



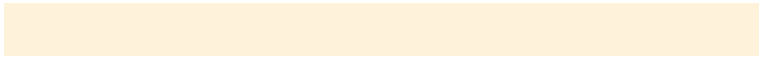
44.6238, 39.1053, 69.3789

# Sweetspot

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



38.7257, 39.1071, 19.1435



85.7177, 89.6943, 80.0200



32.9793, 24.0984, 28.0675



18.0643, 18.8772, 16.2796



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.



38.7257, 39.1071, 19.1435



65.5831, 65.0180, 25.2375



42.9109, 51.4604, 21.3073



11.1781, 11.7253, 11.2368



19.9195, 17.3561, 2.3002



1.0110, 0.9575, 0.1315

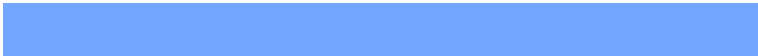


# Inverse Universe

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



25.3997, 25.8507, 56.4743



38.9326, 38.5382, 99.9944



22.5172, 18.0951, 55.1293



10.3759, 10.9258, 13.4795



8.2958, 5.9856, 35.4625



0.4621, 0.4221, 1.7023



# Previews

## White Background



This preview shows how the XYZ color 38.7247, 39.1053, 19.1427 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

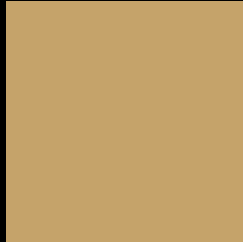
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.7247, 39.1053, 19.1427 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 38.7247, 39.1053, 19.1427**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.7247, 39.1053, 19.1427.



This preview shows how white text looks on a background with the XYZ color 38.7247, 39.1053,



# 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

38.7247, 39.1053, 19.1427

### Protanopia

36.2378, 39.1553, 19.8351

### Deuteranopia

40.0273, 39.2478, 19.3758



## Tritanopia

43.3250, 38.9292, 41.7898

# Trichromacy



## Original Color

38.7247, 39.1053, 19.1427

## Protanomaly

37.0291, 39.0253, 19.4909

## Deuteranomaly

39.6616, 39.3197, 19.4090

## Tritanomaly

41.4251, 38.9156, 32.1162

# Monochromacy



## Original Color

38.7247, 39.1053, 19.1427

## Achromatopsia

36.7301, 38.6429, 42.0822

## Achromatomaly

37.1072, 38.7817, 32.3179

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.7247, 39.1053, 19.1427 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(197, 163, 106)` looks like.

```
.text, #text, p{  
    color:rgb(197, 163, 106)  
}
```

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(197, 163, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 163, 106) }
```

## Border

The CSS property to change the border of an element to XYZ 38.7247, 39.1053, 19.1427 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(197, 163, 106) }
```



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

```
.border{ border-color:rgb(197, 163, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 163, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 163, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 163, 106);  
box-shadow:4px 4px 4px 4px rgb(197, 163,  
106) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.7247, 39.1053, 19.1427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 163, 106) }
```

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

```
.background{ background-color: rgb(197,  
163, 106) }
```

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