

# Converting Colors

XYZ(39.0304, 47.7081, 27.2005)

Have a look what the booklet for  
XYZ(39.0304, 47.7081, 27.2005)  
contains.

<b>XYZ(39.0426, 47.6666, 27.2215)</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(39.0426, 47.6666,  
27.2215)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A9C07F
RGB	169, 192, 127
RGB Percent	66%, 75%, 50%
CMY	0.3373, 0.2470, 0.5020
CMYK	0.12, 0.00, 0.34, 0.25
HSL	81°, 34%, 63%
HSV	81°, 34%, 75%
XYZ	39.0426, 47.6666, 27.2215
YIQ	177.7130, 7.1570, -25.0910

# Conversions

## Conversions Part 2

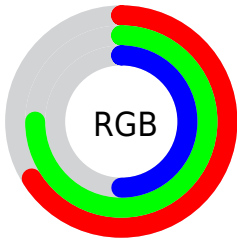
<b>Format</b>	<b>Color</b>
<b>RYB</b>	127, 192, 150
Decimal	11124863
CIELab	74.61, -18.90, 30.24
CIELCh	75, 35.657, 122.004
Yxy	47.6666, 0.3427, 0.4184
Android (android.graphics.Color)	4289314943 (0xFFA9C07F)
YUV	177.7130, -25.0015, -7.6413
Hunter-Lab	69.0410, -19.8802, 24.9518

# Details

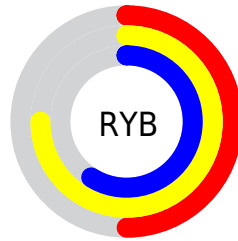
The XYZ color **39.0426, 47.6666, 27.2215** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **29.6834, 25.4699, 53.2235**, and the grayscale version is **42.2915, 44.4940, 48.4540**.

A 20% lighter version of the original color is **72.8570, 86.4376, 56.0242**, and **17.6305, 22.4258, 10.4206** is the 20% darker color. If you saturate the color by 10%, you get **36.4889, 46.4827, 21.1809**, and if you desaturate by 10%, it is **41.9130, 48.9892, 34.5236**.

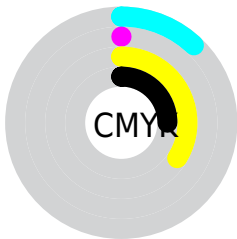
# Distribution



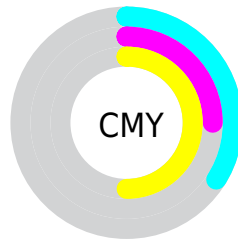
- Red (66%)
- Green (75%)
- Blue (50%)



- Red (50%)
- Yellow (75%)
- Blue (59%)



- Cyan (12%)
- Magenta (0%)
- Yellow (34%)
- Black (25%)




- Cyan (34%)
- Magenta (25%)
- Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.0426, 47.6666, 27.2215 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 39.0426, 47.6666, 27.2215 by changing the saturation by 10% instead.





 39.0426, 47.6666,  
27.2215


 39.0426, 47.6666,  
27.2215


333.2756,  
377.4691, 302.5220


 26.9737, 33.5629,  
17.5057


 72.9970, 86.7078,  
56.2472

 17.6900, 22.5580,  
10.4300


 95.6133, 112.4141,  
76.3941

 10.8260, 14.2675,  
5.5756


 122.4762,  
142.7568, 100.8552

 6.0164, 8.3070,  
2.5242

153.9509,  
178.1202, 130.0491

 2.8958, 4.2920,  
0.8530

190.4028,  
218.8887, 164.3941

 1.0989, 1.8382,  
0.0000

232.1974,

 0.0242, 0.5108,

265.4468, 204.3089

0.0000

279.6998,  
318.1788, 250.2120

■ 0.0000, 0.0000,  
0.0000

■ 39.0426, 47.6666,  
27.2215

■ 39.0426, 47.6666,  
27.2215

■ 36.4889, 46.4827,  
21.1809

■ 41.9130, 48.9892,  
34.5236

■ 34.2336, 45.4251,  
16.3272

■ 45.1101, 50.4497,  
43.1501

■ 32.2617, 44.4894,  
12.5826


■ 48.6478, 52.0555,  
53.1634


■ 30.5552, 43.6682,  
9.8587


■ 52.5381, 53.8115,  
64.6211


■ 29.0937, 42.9532,  
8.0537

■ 56.7924, 55.7223,  
77.5773


 27.8526, 42.3344,  
7.0448

 61.4214, 57.7923,  
92.0835

 27.1707, 41.9904,  
6.6729

 65.3869, 59.6065,  
102.6667

 67.4432, 60.6666,  
102.7629

 69.5836, 61.7700,  
102.8631

# Harmonies

## Analogous

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



44.8732, 47.6666, 23.8707



39.0426, 47.6666, 27.2215



35.2088, 47.6666, 36.9427

# Triad

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



39.0426, 47.6666, 27.2215



39.7270, 47.6666, 90.0273



58.8723, 47.6666, 50.6683

# Complementary

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



39.0426, 47.6666, 27.2215



29.6834, 25.4699, 53.2235

# Split Complementary

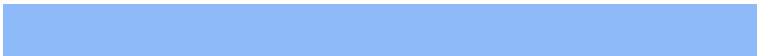
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



57.1689, 47.6666, 70.4334



39.0426, 47.6666, 27.2215



45.7409, 47.6666, 96.1326

# Square

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



39.0426, 47.6666, 27.2215



35.5768, 47.6666, 73.1042



52.2051, 47.6666, 88.2455



56.6638, 47.6666, 35.2535



# Rectangle

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



39.0426, 47.6666, 27.2215



34.0953, 47.6666, 47.1126



52.2051, 47.6666, 88.2455



58.7378, 47.6666, 57.0030

# Sweetspot

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



39.0438, 47.6687, 27.2225



84.0277, 92.4511, 84.5859



36.4372, 34.4733, 24.8129



17.8358, 19.7470, 17.6108



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

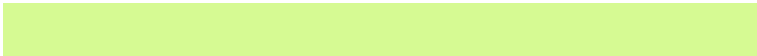


# Same Dimension

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



39.0438, 47.6687, 27.2225



67.0823, 84.6716, 40.5932



32.9575, 44.5311, 26.9377



10.5564, 11.5743, 10.7396



18.3691, 28.2985, 4.4940



0.8662, 1.2601, 0.1976



# Inverse Universe

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



29.6834, 25.4699, 53.2235



47.4377, 38.0542, 95.2052



36.4561, 28.9613, 53.5405



9.8571, 9.9175, 12.6796



8.0812, 3.4264, 33.7921



0.4245, 0.1869, 1.4636



# Previews

## White Background



This preview shows how the XYZ color 39.0426, 47.6666, 27.2215 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 39.0426, 47.6666, 27.2215 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

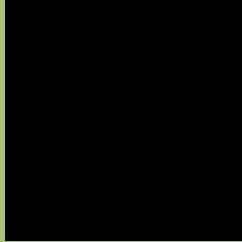
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 39.0426, 47.6666, 27.2215**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.0426, 47.6666, 27.2215.



This preview shows how white text looks on a background with the XYZ color 39.0426, 47.6666,



# 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

39.0426, 47.6666, 27.2215

### Protanopia

44.0618, 47.4391, 25.5733

### Deuteranopia

48.3401, 47.2041, 28.0362



## Tritanopia

45.7169, 47.5279, 60.1903

# Trichromacy



## Original Color

39.0426, 47.6666, 27.2215

## Protanomaly

41.9360, 47.2644, 25.9815

## Deuteranomaly

44.3726, 46.9388, 27.8405

## Tritanomaly

42.6845, 47.2103, 45.8925

# Monochromacy



## Original Color

39.0426, 47.6666, 27.2215

## Achromatopsia

42.3164, 44.5201, 48.4824

## Achromatomaly

40.8707, 45.4841, 39.4261

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.0426, 47.6666, 27.2215 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(169, 192, 127)` looks like.

```
.text, #text, p{  
    color:rgb(169, 192, 127)  
}
```

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(169, 192, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 192, 127) }
```

## Border

The CSS property to change the border of an element to XYZ 39.0426, 47.6666, 27.2215 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(169, 192, 127) }
```



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

```
.border{ border-color:rgb(169, 192, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 192, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(169, 192, 127); -webkit-box-shadow:4px 4px 4px 4px rgb(169, 192, 127); box-shadow:4px 4px 4px 4px rgb(169, 192, 127) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.0426, 47.6666, 27.2215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 192, 127) }
```

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

```
.background{ background-color: rgb(169,  
192, 127) }
```

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