

Converting Colors

XYZ(38.9351, 49.5765, 21.8345)

Have a look what the booklet for
XYZ(38.9351, 49.5765, 21.8345)
contains.

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Color

**XYZ(39.0493, 49.7957,
21.7408)**

Conversions

Conversions Part 1

Format	Color
Hex	A8C66C
RGB	168, 198, 108
RGB Percent	66%, 78%, 42%
CMY	0.3412, 0.2235, 0.5765
CMYK	0.15, 0.00, 0.45, 0.22
HSL	80°, 44%, 60%
HSV	80°, 45%, 78%
XYZ	39.0493, 49.7957, 21.7408
YIQ	178.7700, 11.0100, -34.3500

Conversions

Conversions Part 2

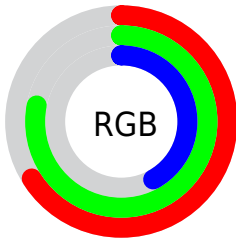
Format	Color
RYB	108, 198, 138
Decimal	11060844
CIELab	75.94, -24.61, 41.63
CIELCh	76, 48.356, 120.589
Yxy	49.7957, 0.3531, 0.4503
Android (android.graphics.Color)	4289250924 (0xFFA8C66C)
YUV	178.7700, -34.8896, -9.4453
Hunter-Lab	70.5661, -24.7137, 31.1295

Details

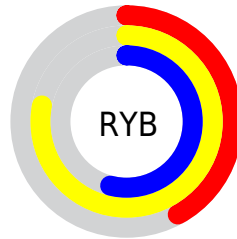
The XYZ color **39.0493, 49.7957, 21.7408** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **26.0389, 20.2070, 55.9569**, and the grayscale version is **42.9021, 45.1364, 49.1535**.

A 20% lighter version of the original color is **72.9335, 89.9405, 47.2345**, and **17.6764, 23.8294, 7.6709** is the 20% darker color. If you saturate the color by 10%, you get **36.7435, 48.7168, 16.7432**, and if you desaturate by 10%, it is **41.6683, 51.0115, 28.0042**.

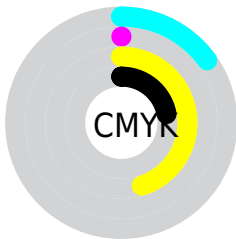
Distribution



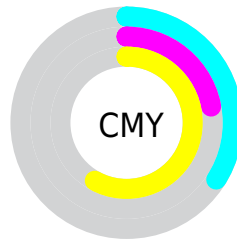
- Red (66%)
- Green (78%)
- Blue (42%)



- Red (42%)
- Yellow (78%)
- Blue (54%)



- Cyan (15%)
- Magenta (0%)
- Yellow (45%)
- Black (22%)



- Cyan (34%)
- Magenta (22%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.0493, 49.7957, 21.7408 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 39.0493, 49.7957, 21.7408 by changing the saturation by 10% instead.

■ 39.0493, 49.7957,
21.7408

■ 39.0493, 49.7957,
21.7408

333.3036,
385.8665, 274.0989

■ 26.9790, 35.2511,
13.4701

■ 73.0072, 89.8721,
47.2139

■ 17.6939, 23.8564,
7.6185

■ 95.6255, 116.1727,
65.2534

■ 10.8288, 15.2271,
3.7676

■ 122.4905,
147.1607, 87.3861

■ 6.0183, 8.9789,
1.4987

■ 153.9676,
183.2206, 114.0308

■ 2.8970, 4.7274,
0.2170

190.4221,
224.7367, 145.6059

■ 1.0995, 2.0882,
0.0000

232.2193,

■ 0.0247, 0.6580,

272.0935, 182.5299

0.0000

279.7247,
325.6753, 225.2214

■ 0.0000, 0.0000,
0.0000

■ 39.0493, 49.7957,
21.7408

■ 39.0493, 49.7957,
21.7408

■ 36.7435, 48.7168,
16.7432

■ 41.6683, 51.0115,
28.0042

■ 34.7297, 47.7612,
12.9217

■ 44.6126, 52.3641,
35.6087

■ 32.9895, 46.9230,
10.1801


■ 47.8982, 53.8617,
44.6272


■ 31.5006, 46.1931,
8.4054


■ 51.5387, 55.5098,
55.1267


■ 30.2353, 45.5605,
7.4589


■ 55.5470, 57.3138,
67.1697

 29.7100, 45.2954,
7.1770

 59.9353, 59.2785,
80.8153

 64.7150, 61.4088,
96.1194

 68.0056, 62.9524,
103.1745

 70.0530, 64.0078,
103.2703

Harmonies

Analogous

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



47.1516, 49.7957, 18.1996



39.0493, 49.7957, 21.7408



33.7847, 49.7957, 33.3210

Triad

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



39.0493, 49.7957, 21.7408



39.3211, 49.7957, 109.9438



66.8529, 49.7957, 53.7109

Complementary

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



39.0493, 49.7957, 21.7408



26.0389, 20.2070, 55.9569

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.



64.0822, 49.7957, 82.4170



39.0493, 49.7957, 21.7408



47.5075, 49.7957, 120.5057

Square

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



39.0493, 49.7957, 21.7408



33.9270, 49.7957, 83.5897



56.7041, 49.7957, 109.1292



63.8646, 49.7957, 32.6869

Rectangle

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



39.0493, 49.7957, 21.7408



32.2125, 49.7957, 46.5035



56.7041, 49.7957, 109.1292



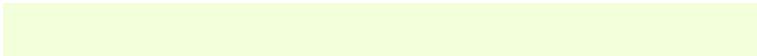
66.5609, 49.7957, 62.7440

Sweetspot

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



39.0505, 49.7979, 21.7419



85.5818, 95.7225, 81.1907



35.0858, 31.2671, 18.3740



18.0303, 20.3579, 16.5672



0.0000, 0.0000, 0.0000



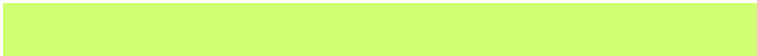
20.3446, 21.4041, 23.3091

Same Dimension

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



39.0505, 49.7979, 21.7419



64.9212, 86.1973, 29.3604



31.0709, 45.6842, 21.3684



11.1671, 12.2331, 11.3354



19.4139, 29.5035, 4.6715



0.9937, 1.4354, 0.2247

Inverse Universe

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



26.0389, 20.2070, 55.9569



38.9524, 27.0543, 97.7767



35.0859, 24.8709, 56.3803



10.3843, 10.4564, 13.3885



8.1721, 3.4471, 34.9790



0.4641, 0.2030, 1.6599

Previews

White Background



This preview shows how the XYZ color 39.0493, 49.7957, 21.7408 looks on a white background.

Color Contrast Check

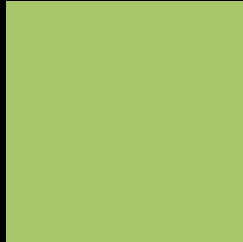
Large Text (above 18pt) WCAG AA × Fail

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 39.0493, 49.7957, 21.7408 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 39.0493, 49.7957, 21.7408

Background



This preview shows how black text looks on a background with the XYZ color 39.0493, 49.7957, 21.7408.



This preview shows how white text looks on a background with the XYZ color 39.0493, 49.7957,

21.7408.

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

39.0493, 49.7957, 21.7408

Protanopia

45.4459, 49.5193, 20.2596

Deuteranopia

50.2651, 49.2018, 22.4704



Tritanopia

47.2534, 49.5082, 62.9426

Trichromacy



Original Color

39.0493, 49.7957, 21.7408

Protanomaly

42.9188, 49.4880, 20.6547

Deuteranomaly

45.3950, 48.8248, 22.0705

Tritanomaly

43.6032, 49.3189, 44.2671

Monochromacy



Original Color

39.0493, 49.7957, 21.7408

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

40.9879, 46.5317, 36.9582

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.0493, 49.7957, 21.7408 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(168, 198, 108)` looks like.

```
.text, #text, p{  
    color:rgb(168, 198, 108)  
}
```

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(168, 198, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 198, 108) }
```

Border

The CSS property to change the border of an element to XYZ 39.0493, 49.7957, 21.7408 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(168, 198, 108) }
```


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

```
.border{ border-color:rgb(168, 198, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 198, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 198, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 198, 108);  
box-shadow:4px 4px 4px 4px rgb(168, 198,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 39.0493, 49.7957, 21.7408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 198, 108) }
```

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

```
.background{ background-color: rgb(168,  
198, 108) }
```

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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