

Converting Colors

XYZ(38.9751, 48.9938, 22.2189)

Have a look what the booklet for
XYZ(38.9751, 48.9938, 22.2189)
contains.

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Color

**XYZ(38.9166, 49.0407,
22.1665)**

Conversions

Conversions Part 1

Format	Color
Hex	A9C46E
RGB	169, 196, 110
RGB Percent	66%, 77%, 43%
CMY	0.3373, 0.2314, 0.5686
CMYK	0.14, 0.00, 0.44, 0.23
HSL	79°, 42%, 60%
HSV	79°, 44%, 77%
XYZ	38.9166, 49.0407, 22.1665
YIQ	178.1230, 11.5140, -32.4700

Conversions

Conversions Part 2

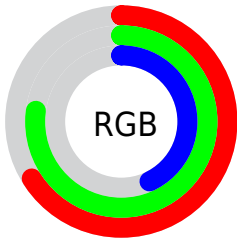
Format	Color
RYB	110, 196, 137
Decimal	11125870
CIELab	75.48, -23.02, 40.06
CIELCh	75, 46.204, 119.876
Yxy	49.0407, 0.3534, 0.4453
Android (android.graphics.Color)	4289315950 (0xFFA9C46E)
YUV	178.1230, -33.5846, -8.0009
Hunter-Lab	70.0291, -23.3547, 30.2531

Details

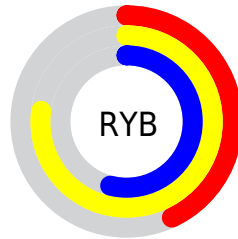
The XYZ color **38.9166, 49.0407, 22.1665** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **25.8582, 20.4571, 54.8131**, and the grayscale version is **42.5511, 44.7671, 48.7513**.

A 20% lighter version of the original color is **72.7875, 88.9025, 47.9739**, and **17.5588, 23.3171, 7.8502** is the 20% darker color. If you saturate the color by 10%, you get **36.6763, 47.9973, 17.0941**, and if you desaturate by 10%, it is **41.4576, 50.2149, 28.4870**.

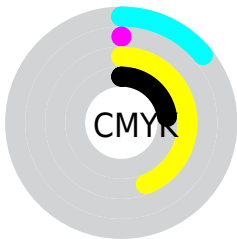
Distribution



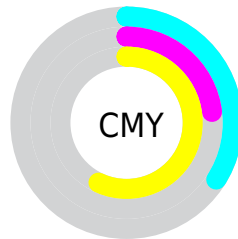
- Red (66%)
- Green (77%)
- Blue (43%)



- Red (43%)
- Yellow (77%)
- Blue (54%)



- Cyan (14%)
- Magenta (0%)
- Yellow (44%)
- Black (23%)




- Cyan (34%)
- Magenta (23%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9166, 49.0407, 22.1665 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 38.9166, 49.0407, 22.1665 by changing the saturation by 10% instead.


 38.9166, 49.0407,
22.1665


 38.9166, 49.0407,
22.1665


332.7491,
382.9025, 276.3964


 26.8753, 34.6518,
13.7798


 72.8058, 88.7519,
47.9267


 17.6157, 23.3948,
7.8307


 95.3844, 114.8430,
66.1374

 10.7724, 14.8853,
3.9006


 122.2061,
145.6035, 88.4597

 5.9802, 8.7389,
1.5710

 153.6363,
181.4179, 115.3124

 2.8736, 4.5713,
0.2700

190.0403,
222.6707, 147.1138

 1.0873, 1.9980,
0.0000

231.7835,

 0.0144, 0.6063,

269.7461, 184.2826

0.0000

279.2313,
323.0286, 227.2373

■ 0.0000, 0.0000,
0.0000

■ 38.9166, 49.0407,
22.1665

■ 38.9166, 49.0407,
22.1665

■ 36.6763, 47.9973,
17.0941

■ 41.4576, 50.2149,
28.4870

■ 34.7164, 47.0715,
13.1838

■ 44.3107, 51.5196,
36.1278

■ 33.0196, 46.2578,
10.3436


■ 47.4912, 52.9626,
45.1593


■ 31.5647, 45.5479,
8.4662


■ 51.0120, 54.5492,
55.6462

■ 30.3263, 44.9312,
7.4221


■ 54.8855, 56.2844,
67.6487

 29.6459, 44.5882,
7.0439

 59.1233, 58.1730,
81.2241

 63.7362, 60.2193,
96.4264

 66.7752, 61.6439,
102.9868

 68.6528, 62.6118,
103.0746

Harmonies

Analogous

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



46.6472, 49.0407, 18.8740



38.9166, 49.0407, 22.1665



33.8267, 49.0407, 33.1380

Triad

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



38.9166, 49.0407, 22.1665



38.8622, 49.0407, 105.1410



64.9928, 49.0407, 53.4986

Complementary

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



38.9166, 49.0407, 22.1665



25.8582, 20.4571, 54.8131

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.



62.2697, 49.0407, 80.5815



38.9166, 49.0407, 22.1665



46.5763, 49.0407, 115.4154

Square

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



38.9166, 49.0407, 22.1665



33.7981, 49.0407, 80.3503



55.2597, 49.0407, 105.3006



62.3127, 49.0407, 33.2661

Rectangle

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



38.9166, 49.0407, 22.1665



32.2701, 49.0407, 45.5655



55.2597, 49.0407, 105.3006



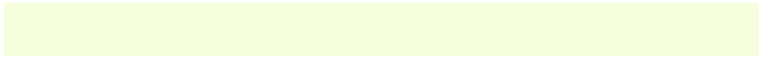
64.6750, 49.0407, 62.0781

Sweetspot

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



38.9178, 49.0429, 22.1675



86.4383, 96.1249, 83.0000



34.3572, 30.4151, 18.8124



18.2116, 20.4436, 16.9237



0.0000, 0.0000, 0.0000



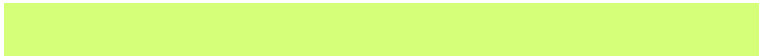
20.3446, 21.4041, 23.3091

Same Dimension

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



38.9178, 49.0429, 22.1675



66.4550, 86.9533, 31.0027



31.3382, 45.1355, 21.8128



10.5958, 11.5946, 10.7414



19.1399, 28.6958, 4.5301



0.8955, 1.2752, 0.1989

Inverse Universe

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



25.8582, 20.4571, 54.8131



39.7071, 28.3284, 97.9829



34.0857, 24.6985, 55.1982



9.8193, 9.8980, 12.6778



7.7396, 3.2503, 33.7761



0.4069, 0.1778, 1.4628

Previews

White Background



This preview shows how the XYZ color 38.9166, 49.0407, 22.1665 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 38.9166, 49.0407, 22.1665 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 38.9166, 49.0407, 22.1665

Background



This preview shows how black text looks on a background with the XYZ color 38.9166, 49.0407, 22.1665.



This preview shows how white text looks on a background with the XYZ color 38.9166, 49.0407,

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

38.9166, 49.0407, 22.1665

Protanopia

45.0623, 48.9958, 20.7178

Deuteranopia

49.4999, 48.5065, 22.6734



Tritanopia

47.0403, 49.1117, 61.6438

Trichromacy



Original Color

38.9166, 49.0407, 22.1665

Protanomaly

42.5532, 48.9648, 21.1183

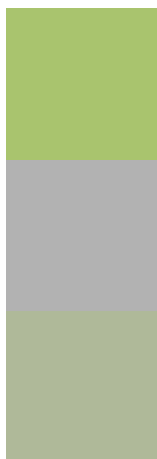
Deuteranomaly

45.0230, 48.3106, 22.5747

Tritanomaly

43.5200, 48.9640, 43.7165

Monochromacy



Original Color

38.9166, 49.0407, 22.1665

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

40.7779, 46.1118, 36.8882

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9166, 49.0407, 22.1665 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, 196, 110)` looks like.

```
.text, #text, p{  
    color:rgb(169, 196, 110)  
}
```

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, 196, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 196, 110) }
```

Border

The CSS property to change the border of an element to XYZ 38.9166, 49.0407, 22.1665 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, 196, 110) }
```


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

```
.border{ border-color:rgb(169, 196, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 196, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 196, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 196, 110);  
box-shadow:4px 4px 4px 4px rgb(169, 196,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9166, 49.0407, 22.1665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 196, 110) }
```

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

```
.background{ background-color: rgb(169,  
196, 110) }
```

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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