

Converting Colors

XYZ(38.9698, 42.4551, 23.9100)

Have a look what the booklet for
XYZ(38.9698, 42.4551, 23.9100)
contains.

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Color

**XYZ(38.9698, 42.4551,
23.9100)**

Conversions

Conversions Part 1

Format	Color
Hex	BAAF78
RGB	186, 175, 120
RGB Percent	73%, 69%, 47%
CMY	0.2706, 0.3137, 0.5294
CMYK	0.00, 0.06, 0.35, 0.27
HSL	50°, 32%, 60%
HSV	50°, 35%, 73%
XYZ	38.9698, 42.4551, 23.9100
YIQ	172.0190, 24.2110, -14.7730

Conversions

Conversions Part 2

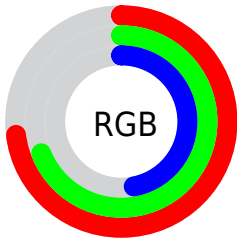
Format	Color
RYB	133, 186, 120
Decimal	12234616
CIELab	71.18, -4.34, 29.65
CIELCh	71, 29.971, 98.329
Yxy	42.4551, 0.3700, 0.4030
Android (android.graphics.Color)	4290424696 (0xFFBAAF78)
YUV	172.0190, -25.6454, 12.2613
Hunter-Lab	65.1576, -7.2675, 23.8535

Details

The XYZ color **38.9698, 42.4551, 23.9100** is a light color, and the websafe version is hex **999966**. A complement of this color would be **24.7247, 23.7701, 49.7393**, and the grayscale version is **39.3403, 41.3891, 45.0727**.

A 20% lighter version of the original color is **72.8018, 78.6654, 50.8820**, and **17.7360, 19.5264, 8.7954** is the 20% darker color. If you saturate the color by 10%, you get **37.3531, 40.8559, 18.3326**, and if you desaturate by 10%, it is **40.8218, 44.1736, 30.6486**.

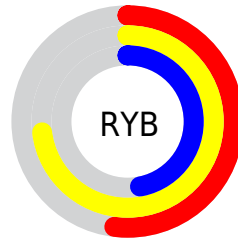
Distribution



Red (73%)

Green (69%)

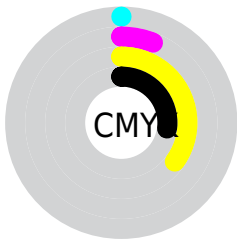
Blue (47%)



Red (52%)

Yellow (73%)

Blue (47%)

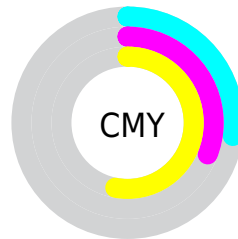


Cyan (0%)

Magenta (6%)

Yellow (35%)

Black (27%)



Cyan (27%)

Magenta (31%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9698, 42.4551, 23.9100 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 38.9698, 42.4551, 23.9100 by changing the saturation by 10% instead.

■ 38.9698, 42.4551,
23.9100

■ 38.9698, 42.4551,
23.9100

332.9715,
356.3660, 285.6370

■ 26.9169, 29.4578,
15.0553

■ 72.8865, 78.8879,
50.8253

■ 17.6471, 19.4274,
8.7111

■ 95.4811, 103.0923,
69.7229

■ 10.7950, 11.9795,
4.4590

■ 122.3201,
131.8011, 92.8053

■ 5.9955, 6.7297,
1.8804

153.7691,
165.3988, 120.4910

■ 2.8830, 3.2937,
0.4802

190.1934,
204.2697, 153.1984

■ 1.0922, 1.2869,
0.0000

231.9583,

■ 0.0186, 0.1310,

248.7983, 191.3462

0.0000

279.4292,
299.3690, 235.3529

■ 0.0000, 0.0000,
0.0000

■ 38.9698, 42.4551,
23.9100

■ 38.9698, 42.4551,
23.9100

■ 37.3531, 40.8559,
18.3326

■ 40.8218, 44.1736,
30.6486

■ 35.9555, 39.3649,
13.8467

■ 42.9177, 46.0104,
38.6075

■ 34.7642, 37.9782,
10.3789

■ 45.2696, 47.9720,
47.8450

■ 33.7631, 36.6894,
7.8461

■ 47.8877, 50.0626,
58.4149

■ 32.9338, 35.4908,
6.1516

■ 50.7817, 52.2864,
70.3677

■ 32.2536, 34.3732,
5.1760

■ 53.9608, 54.6471,
83.7515

■ 31.9732, 33.8861,
4.8555

■ 57.4338, 57.1483,
98.6120

■ 58.9063, 58.8724,
102.8666

■ 59.6304, 60.3204,
103.1079

Harmonies

Analogous

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



44.0236, 42.4551, 24.9974



38.9698, 42.4551, 23.9100



34.6559, 42.4551, 27.7514

Triad

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



38.9698, 42.4551, 23.9100



33.2425, 42.4551, 65.5825



50.0061, 42.4551, 57.2072

Complementary

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



38.9698, 42.4551, 23.9100



24.7247, 23.7701, 49.7393

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.



46.6410, 42.4551, 71.4866



38.9698, 42.4551, 23.9100



36.8910, 42.4551, 76.9780

Square

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



38.9698, 42.4551, 23.9100



31.5334, 42.4551, 50.3487



41.7671, 42.4551, 79.3376



50.6789, 42.4551, 42.3355

Rectangle

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



38.9698, 42.4551, 23.9100



32.6805, 42.4551, 33.1756



41.7671, 42.4551, 79.3376



49.1396, 42.4551, 62.3167

Sweetspot

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



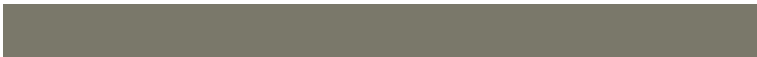
38.9709, 42.4570, 23.9109



79.5666, 84.8977, 76.8899



31.0632, 25.5112, 24.7602



17.3961, 18.5903, 16.4405



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



38.9709, 42.4570, 23.9109



68.1944, 74.5532, 34.8721



36.2591, 44.3664, 24.4224



9.6194, 10.2418, 9.5768



21.5577, 22.8917, 3.2823



0.7942, 0.8755, 0.1271

Inverse Universe

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



24.7247, 23.7701, 49.7393



38.3536, 35.4244, 89.0175



26.7351, 22.7294, 49.4324



8.6388, 8.9548, 11.3526



6.3302, 3.1201, 31.5217



0.2609, 0.1855, 1.1238

Previews

White Background



This preview shows how the XYZ color 38.9698, 42.4551, 23.9100 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 38.9698, 42.4551, 23.9100 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

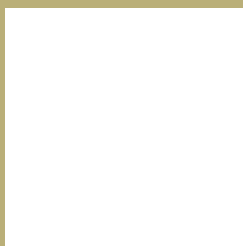
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.9698, 42.4551, 23.9100

Background



This preview shows how black text looks on a background with the XYZ color 38.9698, 42.4551, 23.9100.



This preview shows how white text looks on a background with the XYZ color 38.9698, 42.4551,

23.9100.

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

38.9698, 42.4551, 23.9100

Protanopia

39.2653, 42.3195, 23.8683

Deuteranopia

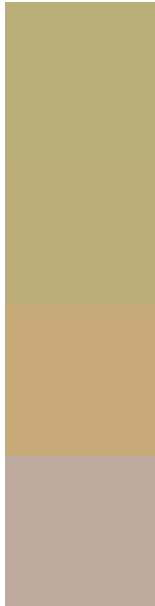
43.3440, 42.4525, 24.3220



Tritanopia

44.0493, 42.2702, 49.0173

Trichromacy



Original Color

38.9698, 42.4551, 23.9100

Protanomaly

39.0197, 42.1930, 23.8568

Deuteranomaly

41.6453, 42.4093, 24.0800

Tritanomaly

41.7815, 42.1652, 38.2843

Monochromacy



Original Color

38.9698, 42.4551, 23.9100

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

38.8248, 41.5342, 36.1076

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9698, 42.4551, 23.9100 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(186, 175, 120)` looks like.

```
.text, #text, p{  
    color:rgb(186, 175, 120)  
}
```

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(186, 175, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 175, 120) }
```

Border

The CSS property to change the border of an element to XYZ 38.9698, 42.4551, 23.9100 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(186, 175, 120) }
```


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

```
.border{ border-color:rgb(186, 175, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 175, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 175, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 175, 120);  
box-shadow:4px 4px 4px 4px rgb(186, 175,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9698, 42.4551, 23.9100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 175, 120) }
```

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

```
.background{ background-color: rgb(186,  
175, 120) }
```

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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