

Converting Colors

XYZ(38.9602, 41.2872, 22.3663)

Have a look what the booklet for
XYZ(38.9602, 41.2872, 22.3663)
contains.

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Color

**XYZ(38.9505, 41.3339,
22.4483)**

Conversions

Conversions Part 1

Format	Color
Hex	BEAB74
RGB	190, 171, 116
RGB Percent	75%, 67%, 45%
CMY	0.2549, 0.3294, 0.5451
CMYK	0.00, 0.10, 0.39, 0.25
HSL	45°, 36%, 60%
HSV	45°, 39%, 75%
XYZ	38.9505, 41.3339, 22.4483
YIQ	170.4110, 28.9790, -13.0770

Conversions

Conversions Part 2

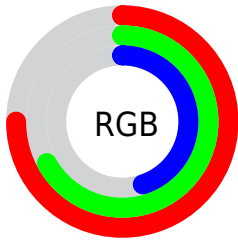
Format	Color
RYB	142, 190, 116
Decimal	12495732
CIELab	70.41, -1.07, 30.83
CIElCh	70, 30.849, 91.979
Yxy	41.3339, 0.3791, 0.4023
Android (android.graphics.Color)	4290685812 (0xFFBEAB74)
YUV	170.4110, -26.8246, 17.1796
Hunter-Lab	64.2914, -4.3671, 24.3020

Details

The XYZ color **38.9505, 41.3339, 22.4483** is a light color, and the websafe version is hex **999966**. A complement of this color would be **25.1605, 24.7579, 52.1679**, and the grayscale version is **38.5342, 40.5410, 44.1492**.

A 20% lighter version of the original color is **72.7156, 77.0314, 48.5722**, and **17.6016, 18.7498, 8.0016** is the 20% darker color. If you saturate the color by 10%, you get **37.0524, 39.1291, 16.9095**, and if you desaturate by 10%, it is **41.1107, 43.7009, 29.1906**.

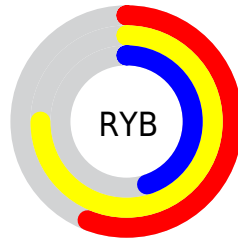
Distribution



Red (75%)

Green (67%)

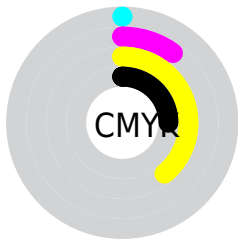
Blue (45%)



Red (56%)

Yellow (75%)

Blue (45%)

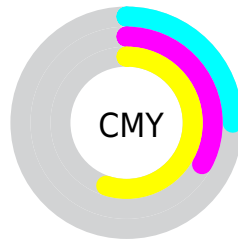


Cyan (0%)

Magenta (10%)

Yellow (39%)

Black (25%)



Cyan (25%)

Magenta (33%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9505, 41.3339, 22.4483 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 38.9505, 41.3339, 22.4483 by changing the saturation by 10% instead.

■ 38.9505, 41.3339,
22.4483

■ 38.9505, 41.3339,
22.4483

332.8908,
351.7142, 277.9080

■ 26.9018, 28.5801,
13.9852

■ 72.8572, 77.1905,
48.3975

■ 17.6357, 18.7634,
7.9717

■ 95.4460, 101.0621,
66.7207

■ 10.7868, 11.4994,
3.9894

■ 122.2788,
129.4084, 89.1676

■ 5.9899, 6.4038,
1.6195

153.7209,
162.6138, 116.1569

■ 2.8796, 3.0921,
0.3047

190.1379,
201.0626, 148.1070

■ 1.0904, 1.1800,
0.0000

231.8949,

■ 0.0171, 0.0453,

245.1394, 185.4366

0.0000

279.3574,
295.2285, 228.5641

■ 0.0000, 0.0000,
0.0000

■ 38.9505, 41.3339,
22.4483

■ 38.9505, 41.3339,
22.4483

■ 37.0524, 39.1291,
16.9095

■ 41.1107, 43.7009,
29.1906

■ 35.3991, 37.0746,
12.4984

■ 43.5431, 46.2303,
37.2010

■ 33.9759, 35.1653,
9.1348

■ 46.2607, 48.9292,
46.5421

■ 32.7648, 33.3935,
6.7263

■ 49.2748, 51.8029,
57.2721

■ 31.7451, 31.7503,
5.1648

■ 52.5962, 54.8561,
69.4453

■ 30.8807, 30.2207,
4.2631

■ 56.2349, 58.0934,
83.1134

■ 30.7937, 30.0641,
4.1799

■ 60.2005, 61.5192,
98.3254

■ 62.3375, 64.2716,
103.7279

■ 63.5602, 66.7172,
104.1355

Harmonies

Analogous

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



44.0535, 41.3339, 24.5621



38.9505, 41.3339, 22.4483



34.3402, 41.3339, 25.2125

Triad

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



38.9505, 41.3339, 22.4483



31.5744, 41.3339, 61.4949



48.5496, 41.3339, 59.4588

Complementary

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



38.9505, 41.3339, 22.4483



25.1605, 24.7579, 52.1679

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.



44.6867, 41.3339, 73.1291



38.9505, 41.3339, 22.4483



34.8767, 41.3339, 74.4716

Square

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



38.9505, 41.3339, 22.4483



30.3159, 41.3339, 45.9779



39.6247, 41.3339, 79.1269



49.8725, 41.3339, 44.0471

Rectangle

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



38.9505, 41.3339, 22.4483



32.0873, 41.3339, 29.8883



39.6247, 41.3339, 79.1269



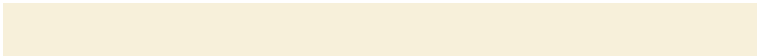
47.4895, 41.3339, 64.5155

Sweetspot

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



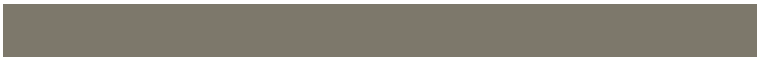
38.9515, 41.3358, 22.4492



82.1737, 87.0442, 78.5723



31.9059, 25.2084, 26.3778



17.9000, 18.9712, 16.7547



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.



38.9515, 41.3358, 22.4492



67.5285, 71.3670, 31.7228



38.7407, 46.9418, 23.5423



10.1093, 10.6946, 10.1081



20.5418, 20.1224, 2.8013



0.8545, 0.8878, 0.1263

Inverse Universe

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



25.1605, 24.7579, 52.1679



38.9514, 37.0379, 93.3752



25.2551, 21.2173, 51.4795



9.2103, 9.6128, 12.0422



6.9588, 4.0293, 32.8039



0.3273, 0.2673, 1.3032

Previews

White Background



This preview shows how the XYZ color 38.9505, 41.3339, 22.4483 looks on a white background.

Color Contrast Check

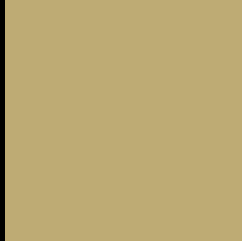
Large Text (above 18pt) WCAG AA × Fail

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 38.9505, 41.3339, 22.4483 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

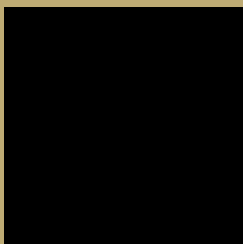
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

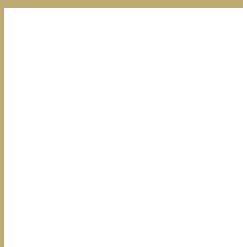
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.9505, 41.3339, 22.4483

Background



This preview shows how black text looks on a background with the XYZ color 38.9505, 41.3339, 22.4483.



This preview shows how white text looks on a background with the XYZ color 38.9505, 41.3339,

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

38.9505, 41.3339, 22.4483

Protanopia

38.3984, 41.3308, 22.4768

Deuteranopia

42.1196, 41.3164, 22.5845



Tritanopia

43.6986, 41.0647, 46.6974

Trichromacy



Original Color

38.9505, 41.3339, 22.4483

Protanomaly

38.6439, 41.4574, 22.4883

Deuteranomaly

40.8490, 41.2011, 22.6293

Tritanomaly

41.7171, 41.0749, 36.3014

Monochromacy



Original Color

38.9505, 41.3339, 22.4483

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.0112, 40.2986, 34.6292

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9505, 41.3339, 22.4483 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(190, 171, 116)` looks like.

```
.text, #text, p{  
    color:rgb(190, 171, 116)  
}
```

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(190, 171, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 171, 116) }
```

Border

The CSS property to change the border of an element to XYZ 38.9505, 41.3339, 22.4483 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(190, 171, 116) }
```


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

```
.border{ border-color:rgb(190, 171, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 171, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 171, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 171, 116);  
box-shadow:4px 4px 4px 4px rgb(190, 171,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9505, 41.3339, 22.4483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 171, 116) }
```

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

```
.background{ background-color: rgb(190,  
171, 116) }
```

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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