

Converting Colors

XYZ(38.8634, 40.8372, 22.0077)

Have a look what the booklet for
XYZ(38.8634, 40.8372, 22.0077)
contains.

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Color

**XYZ(38.7683, 40.6901,
22.0303)**

Conversions

Conversions Part 1

Format	Color
Hex	BFA973
RGB	191, 169, 115
RGB Percent	75%, 66%, 45%
CMY	0.2510, 0.3372, 0.5490
CMYK	0.00, 0.12, 0.40, 0.25
HSL	43°, 37%, 60%
HSV	43°, 40%, 75%
XYZ	38.7683, 40.6901, 22.0303
YIQ	169.4220, 30.4460, -12.1300

Conversions

Conversions Part 2

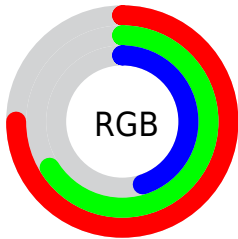
Format	Color
RYB	146, 191, 115
Decimal	12560755
CIELab	69.96, 0.30, 30.79
CIELCh	70, 30.792, 89.444
Yxy	40.6901, 0.3820, 0.4009
Android (android.graphics.Color)	4290750835 (0xFFBFA973)
YUV	169.4220, -26.8300, 18.9239
Hunter-Lab	63.7888, -3.1452, 24.1756

Details

The XYZ color **38.7683, 40.6901, 22.0303** is a light color, and the websafe version is hex **999966**. A complement of this color would be **25.4195, 25.2968, 52.8331**, and the grayscale version is **38.0403, 40.0214, 43.5833**.

A 20% lighter version of the original color is **72.4349, 76.0949, 47.9158**, and **17.4980, 18.3502, 7.7739** is the 20% darker color. If you saturate the color by 10%, you get **36.7747, 38.2833, 16.4938**, and if you desaturate by 10%, it is **41.0352, 43.2788, 28.7823**.

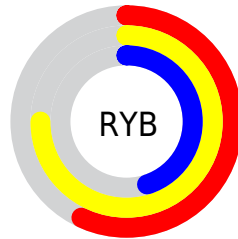
Distribution



Red (75%)

Green (66%)

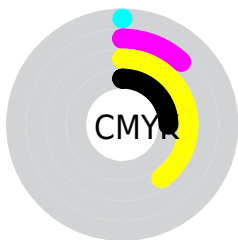
Blue (45%)



Red (57%)

Yellow (75%)

Blue (45%)

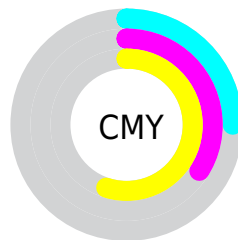


Cyan (0%)

Magenta (12%)

Yellow (40%)

Black (25%)



Cyan (25%)

Magenta (34%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7683, 40.6901, 22.0303 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 38.7683, 40.6901, 22.0303 by changing the saturation by 10% instead.

■ 38.7683, 40.6901,
22.0303

■ 38.7683, 40.6901,
22.0303

332.1285,
349.0237, 275.6631

■ 26.7594, 28.0770,
13.6806

■ 72.5806, 76.2132,
47.6989

■ 17.5283, 18.3837,
7.7627

■ 95.1147, 99.8921,
65.8549

■ 10.7095, 11.2258,
3.8579

■ 121.8879,
128.0283, 88.1168

■ 5.9377, 6.2189,
1.5477

153.2657,
161.0063, 114.9031

■ 2.8475, 2.9787,
0.2531

189.6132,
199.2104, 146.6323

■ 1.0737, 1.1206,
0.0000

231.2960,

■ 0.0029, 0.0000,

243.0251, 183.7231

0.0000

278.6793,
292.8347, 226.5938

■ 0.0000, 0.0000,
0.0000

■ 38.7683, 40.6901,
22.0303

■ 38.7683, 40.6901,
22.0303

■ 36.7747, 38.2833,
16.4938

■ 41.0352, 43.2788,
28.7823

■ 35.0366, 36.0459,
12.0954

■ 43.5857, 46.0499,
36.8157

■ 33.5388, 33.9724,
8.7530

■ 46.4335, 49.0111,
46.1945

■ 32.2627, 32.0547,
6.3718

■ 49.5902, 52.1679,
56.9780

■ 31.1866, 30.2830,
4.8403

■ 53.0667, 55.5255,
69.2215

■ 30.2694, 28.6401,
3.9443

■ 56.8736, 59.0888,
82.9776

■ 30.2509, 28.6065,
3.9272

■ 61.0208, 62.8626,
98.2962

■ 63.3872, 65.9992,
104.0060

■ 64.8034, 68.8316,
104.4781

Harmonies

Analogous

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



43.7867, 40.6901, 24.5250



38.7683, 40.6901, 22.0303



34.1257, 40.6901, 24.3449

Triad

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



38.7683, 40.6901, 22.0303



30.8708, 40.6901, 59.3134



47.5866, 40.6901, 59.8786

Complementary

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



38.7683, 40.6901, 22.0303



25.4195, 25.2968, 52.8331

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.



43.6110, 40.6901, 72.9665



38.7683, 40.6901, 22.0303



33.9769, 40.6901, 72.5937

Square

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



38.7683, 40.6901, 22.0303



29.8118, 40.6901, 44.0373



38.5813, 40.6901, 78.0531



49.1402, 40.6901, 44.5729

Rectangle

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



38.7683, 40.6901, 22.0303



31.8015, 40.6901, 28.6658



38.5813, 40.6901, 78.0531



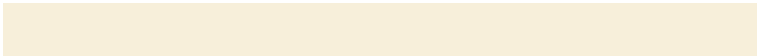
46.4732, 40.6901, 64.7945

Sweetspot

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



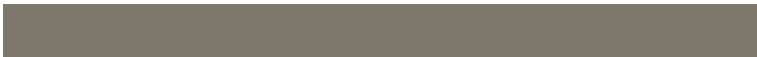
38.7693, 40.6920, 22.0311



81.8890, 86.4748, 78.4774



32.1898, 25.1674, 27.1305



17.8310, 18.8332, 16.7317



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.



38.7693, 40.6920, 22.0311



66.2101, 68.9956, 30.4652



39.5847, 47.7062, 23.3420



10.0826, 10.6413, 10.0992



19.9524, 18.9436, 2.6049



0.8351, 0.8492, 0.1199

Inverse Universe

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



25.4195, 25.2968, 52.8331



38.9327, 37.5631, 93.4775



24.7717, 20.7852, 51.9964



9.2354, 9.6632, 12.0506



7.1477, 4.4070, 32.8668



0.3382, 0.2891, 1.3068

Previews

White Background



This preview shows how the XYZ color 38.7683, 40.6901, 22.0303 looks on a white background.

Color Contrast Check

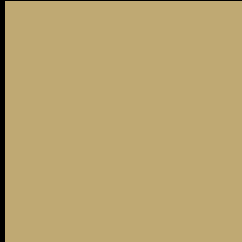
Large Text (above 18pt) WCAG AA × Fail

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 38.7683, 40.6901, 22.0303 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 38.7683, 40.6901, 22.0303

Background



This preview shows how black text looks on a background with the XYZ color 38.7683, 40.6901, 22.0303.



This preview shows how white text looks on a background with the XYZ color 38.7683, 40.6901,

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

38.7683, 40.6901, 22.0303

Protanopia

37.7229, 40.7011, 22.3909

Deuteranopia

41.6047, 40.7910, 22.2036



Tritanopia

43.5863, 40.7670, 45.6160

Trichromacy



Original Color

38.7683, 40.6901, 22.0303

Protanomaly

38.0206, 40.5752, 22.3509

Deuteranomaly

40.6080, 40.8128, 22.2604

Tritanomaly

41.7106, 40.8123, 35.8162

Monochromacy



Original Color

38.7683, 40.6901, 22.0303

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

37.7442, 39.8930, 34.1445

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7683, 40.6901, 22.0303 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(191, 169, 115)` looks like.

```
.text, #text, p{  
    color:rgb(191, 169, 115)  
}
```

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(191, 169, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 169, 115) }
```

Border

The CSS property to change the border of an element to XYZ 38.7683, 40.6901, 22.0303 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(191, 169, 115) }
```


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

```
.border{ border-color:rgb(191, 169, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 169, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 169, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 169, 115);  
box-shadow:4px 4px 4px 4px rgb(191, 169,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7683, 40.6901, 22.0303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 169, 115) }
```

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

```
.background{ background-color: rgb(191,  
169, 115) }
```

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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