

Converting Colors

XYZ(38.7098, 42.0062, 34.3947)

Have a look what the booklet for
XYZ(38.7098, 42.0062, 34.3947)
contains.

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Color

**XYZ(38.8862, 42.1770,
34.5252)**

Conversions

Conversions Part 1

Format	Color
Hex	B1AF95
RGB	177, 175, 149
RGB Percent	69%, 69%, 58%
CMY	0.3059, 0.3137, 0.4157
CMYK	0.00, 0.01, 0.16, 0.31
HSL	56°, 15%, 64%
HSV	56°, 16%, 69%
XYZ	38.8862, 42.1770, 34.5252
YIQ	172.6340, 9.5380, -7.6620

Conversions

Conversions Part 2

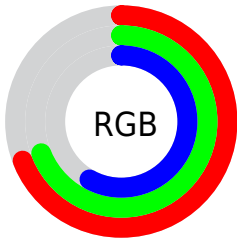
Format	Color
R_{YB}	151, 177, 149
Decimal	11644821
CIE _{Lab}	70.99, -3.79, 13.61
CIE _{LCh}	71, 14.123, 105.546
Yxy	42.1770, 0.3364, 0.3649
Android (android.graphics.Color)	4289834901 (0xFFB1AF95)
YUV	172.6340, -11.6516, 3.8290
Hunter-Lab	64.9438, -6.7718, 13.9411

Details

The XYZ color **38.8862, 42.1770, 34.5252** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **31.3966, 31.6963, 46.0583**, and the grayscale version is **39.5891, 41.6508, 45.3577**.

A 20% lighter version of the original color is **72.6806, 78.2291, 67.7690**, and **17.5997, 19.3328, 14.3593** is the 20% darker color. If you saturate the color by 10%, you get **37.3352, 41.1669, 27.5582**, and if you desaturate by 10%, it is **40.6566, 43.2813, 42.6260**.

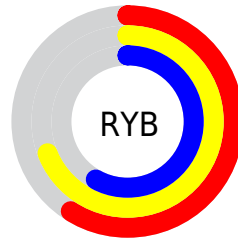
Distribution



Red (69%)

Green (69%)

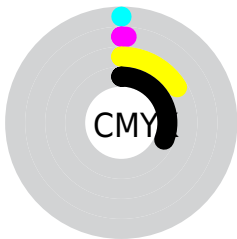
Blue (58%)



Red (59%)

Yellow (69%)

Blue (58%)

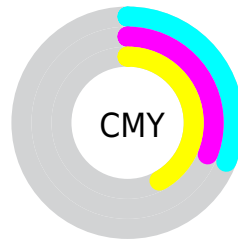


Cyan (0%)

Magenta (1%)

Yellow (16%)

Black (31%)



Cyan (31%)

Magenta (31%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8862, 42.1770, 34.5252 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 38.8862, 42.1770, 34.5252 by changing the saturation by 10% instead.

■ 38.8862, 42.1770,
34.5252

■ 38.8862, 42.1770,
34.5252

332.6219,
355.2161, 337.3080

■ 26.8515, 29.2399,
23.0167

■ 72.7596, 78.4674,
67.8928

■ 17.5978, 19.2624,
14.4005

■ 95.3291, 102.5896,
90.5890

■ 10.7595, 11.8600,
8.2578

122.1409,
131.2089, 117.8515

■ 5.9715, 6.6484,
4.1702

153.5603,
164.7097, 150.0989

■ 2.8682, 3.2432,
1.7192

189.9528,
203.4764, 187.7497

■ 1.0845, 1.2600,
0.3738

231.6837,

■ 0.0121, 0.1099,

247.8935, 231.2224

0.0000

279.1182,
298.3453, 280.9357

■ 0.0000, 0.0000,
0.0000

■ 38.8862, 42.1770,
34.5252

■ 38.8862, 42.1770,
34.5252

■ 37.3352, 41.1669,
27.5582

■ 40.6566, 43.2813,
42.6260

■ 35.9905, 40.2416,
21.6714

■ 42.6520, 44.4779,
51.9054

■ 34.8428, 39.3988,
16.8108

■ 44.8821, 45.7721,
62.4095

■ 33.8808, 38.6339,
12.9170

■ 47.3551, 47.1670,
74.1807

■ 33.0921, 37.9419,
9.9242

■ 50.0785, 48.6659,
87.2595

■ 32.4625, 37.3173,
7.7584

■ 53.0273, 50.2587,
101.5138

■ 31.9759, 36.7534,
6.3342

■ 53.2879, 50.7799,
101.6007

■ 31.6113, 36.2419,
5.5418

■ 53.5508, 51.3058,
101.6883

■ 31.4759, 36.0359,
5.2967

■ 53.8161, 51.8364,
101.7767

Harmonies

Analogous

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



41.2292, 42.1770, 34.4723



38.8862, 42.1770, 34.5252



36.9408, 42.1770, 37.4245

Triad

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



38.8862, 42.1770, 34.5252



36.9987, 42.1770, 55.8198



44.6361, 42.1770, 49.2382

Complementary

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



38.8862, 42.1770, 34.5252



31.3966, 31.6963, 46.0583

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.



43.4090, 42.1770, 55.6209



38.8862, 42.1770, 34.5252



38.9680, 42.1770, 59.6656

Square

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



38.8862, 42.1770, 34.5252



35.8805, 42.1770, 49.4888



41.3143, 42.1770, 59.5894



44.6121, 42.1770, 42.5338

Rectangle

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



38.8862, 42.1770, 34.5252



36.1045, 42.1770, 40.7601



41.3143, 42.1770, 59.5894



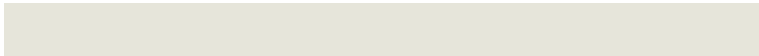
44.3542, 42.1770, 51.5057

Sweetspot

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



38.8873, 42.1789, 34.5261



73.0625, 77.6665, 77.4872



34.4923, 33.0877, 33.9895



15.7836, 16.8010, 16.5607



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



38.8873, 42.1789, 34.5261



68.6277, 74.8873, 57.2335



36.7338, 41.6496, 34.5374



9.1442, 9.8009, 9.0623



22.8240, 26.1465, 3.8438



0.7335, 0.8533, 0.1261

Inverse Universe

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



31.3966, 31.6963, 46.0583



52.6352, 52.5075, 81.8561



33.3145, 32.2122, 46.0568



8.0890, 8.3242, 10.6867



5.8684, 2.5371, 30.3174



0.2006, 0.1118, 0.9592

Previews

White Background



This preview shows how the XYZ color 38.8862, 42.1770, 34.5252 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 38.8862, 42.1770, 34.5252 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 38.8862, 42.1770, 34.5252

Background



This preview shows how black text looks on a background with the XYZ color 38.8862, 42.1770, 34.5252.



This preview shows how white text looks on a background with the XYZ color 38.8862, 42.1770,

34.5252.

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

38.8862, 42.1770, 34.5252

Protanopia

39.8173, 42.0925, 34.0430

Deuteranopia

42.9578, 42.0139, 35.1235



Tritanopia

42.3179, 42.1552, 51.2538

Trichromacy



Original Color

38.8862, 42.1770, 34.5252

Protanomaly

39.5374, 42.2340, 34.0851

Deuteranomaly

41.3656, 42.0278, 34.7861

Tritanomaly

40.9256, 42.1486, 44.5066

Monochromacy



Original Color

38.8862, 42.1770, 34.5252

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.2925, 41.9511, 41.1484

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8862, 42.1770, 34.5252 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(177, 175, 149)` looks like.

```
.text, #text, p{  
    color:rgb(177, 175, 149)  
}
```

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(177, 175, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 175, 149) }
```

Border

The CSS property to change the border of an element to XYZ 38.8862, 42.1770, 34.5252 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(177, 175, 149) }
```


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

```
.border{ border-color:rgb(177, 175, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 175, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 175, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 175, 149);  
box-shadow:4px 4px 4px 4px rgb(177, 175,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8862, 42.1770, 34.5252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 175, 149) }
```

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

```
.background{ background-color: rgb(177,  
175, 149) }
```

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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