

Converting Colors

XYZ(38.8155, 43.1213, 30.0954)

Have a look what the booklet for
XYZ(38.8155, 43.1213, 30.0954)
contains.

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Color

**XYZ(38.7958, 43.1119,
29.9436)**

Conversions

Conversions Part 1

Format	Color
Hex	B2B289
RGB	178, 178, 137
RGB Percent	70%, 70%, 54%
CMY	0.3020, 0.3019, 0.4627
CMYK	0.00, 0.00, 0.23, 0.30
HSL	60°, 21%, 62%
HSV	60°, 23%, 70%
XYZ	38.7958, 43.1119, 29.9436
YIQ	173.3260, 13.1610, -12.7510

Conversions

Conversions Part 2

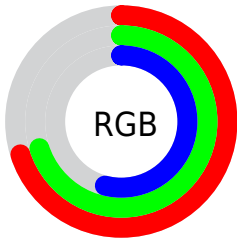
Format	Color
RYB	137, 178, 137
Decimal	11711113
CIELab	71.63, -6.82, 21.03
CIELCh	72, 22.107, 107.978
Yxy	43.1119, 0.3469, 0.3854
Android (android.graphics.Color)	4289901193 (0xFFB2B289)
YUV	173.3260, -17.9087, 4.0991
Hunter-Lab	65.6597, -9.4355, 18.9230

Details

The XYZ color **38.7958, 43.1119, 29.9436** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **27.2998, 26.4252, 45.7837**, and the grayscale version is **39.9717, 42.0533, 45.7961**.

A 20% lighter version of the original color is **72.7585, 80.0997, 60.9162**, and **17.5114, 19.7153, 11.8993** is the 20% darker color. If you saturate the color by 10%, you get **37.6229, 42.6441, 23.7644**, and if you desaturate by 10%, it is **40.1817, 43.6678, 37.2342**.

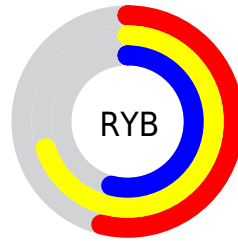
Distribution



Red (70%)

Green (70%)

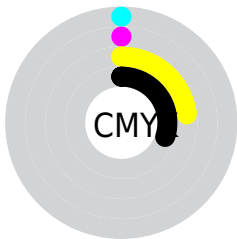
Blue (54%)



Red (54%)

Yellow (70%)

Blue (54%)

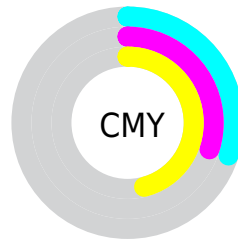


Cyan (0%)

Magenta (0%)

Yellow (23%)

Black (30%)



Cyan (30%)

Magenta (30%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7958, 43.1119, 29.9436 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 38.7958, 43.1119, 29.9436 by changing the saturation by 10% instead.

■ 38.7958, 43.1119,
29.9436

■ 38.7958, 43.1119,
29.9436

332.2437,
359.0718, 315.8406

■ 26.7809, 29.9729,
19.5441

■ 72.6223, 79.8797,
60.6329

■ 17.5445, 19.8180,
11.8833

■ 95.1647, 104.2773,
81.7598

■ 10.7212, 12.2628,
6.5427

■ 121.9469,
133.1966, 107.2996

■ 5.9456, 6.9229,
3.1037

153.3344,
167.0219, 137.6708

■ 2.8524, 3.4140,
1.1478

189.6925,
206.1377, 173.2920

■ 1.0762, 1.3515,
0.0000

231.3864,

■ 0.0050, 0.1805,

250.9283, 214.5816

0.0000

278.7817,
301.7782, 261.9583

■ 0.0000, 0.0000,
0.0000

■ 38.7958, 43.1119,
29.9436

■ 38.7958, 43.1119,
29.9436

■ 37.6229, 42.6441,
23.7644

■ 40.1817, 43.6678,
37.2342

■ 36.6492, 42.2546,
18.6394

■ 41.7868, 44.3099,
45.6841

■ 35.8647, 41.9408,
14.5108

■ 43.6212, 45.0437,
55.3417

■ 35.2571, 41.6977,
11.3136

■ 45.6935, 45.8727,
66.2519

■ 34.8127, 41.5199,
8.9755

■ 48.0117, 46.8000,
78.4572

■ 34.5156, 41.4010,
7.4137

■ 50.5836, 47.8288,
91.9982

■ 34.3471, 41.3335,
6.5286

■ 52.3346, 48.5293,
101.2165

■ 34.2780, 41.3058,
6.1662

■ 52.3351, 48.5295,
101.2165

■ 52.3355, 48.5297,
101.2165

Harmonies

Analogous

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



42.4935, 43.1119, 29.5349



38.7958, 43.1119, 29.9436



35.8607, 43.1119, 34.4550

Triad

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



38.7958, 43.1119, 29.9436



36.3465, 43.1119, 63.9729



48.4240, 43.1119, 51.3655

Complementary

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



38.7958, 43.1119, 29.9436



27.2998, 26.4252, 45.7837

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.



46.5572, 43.1119, 62.1301



38.7958, 43.1119, 29.9436



39.4962, 43.1119, 70.1164

Square

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



38.7958, 43.1119, 29.9436



34.5070, 43.1119, 53.5928



43.2376, 43.1119, 69.3948



48.2080, 43.1119, 40.8647

Rectangle

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



38.7958, 43.1119, 29.9436



34.6621, 43.1119, 39.6315



43.2376, 43.1119, 69.3948



48.0148, 43.1119, 55.0994

Sweetspot

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



38.7969, 43.1138, 29.9445



74.5347, 79.8531, 76.3195



31.8225, 29.1635, 27.6194



16.4750, 17.6762, 16.7074



86.6293, 91.1408, 99.2523



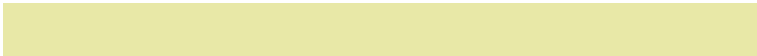
17.0014, 17.8868, 19.4787

Same Dimension

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



38.7969, 43.1138, 29.9445



69.1454, 77.6972, 47.9488



34.4398, 40.8676, 29.7406



9.1970, 9.9066, 9.0800



24.5249, 29.5531, 4.4117



0.7717, 0.9299, 0.1388

Inverse Universe

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



27.2998, 26.4252, 45.7837



44.3592, 41.7189, 82.0957



30.9853, 28.3251, 45.9561



8.0421, 8.2302, 10.6711



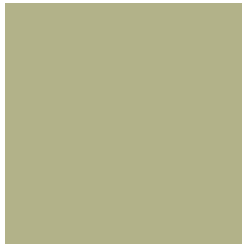
5.7500, 2.3000, 30.2779



0.1809, 0.0724, 0.9527

Previews

White Background



This preview shows how the XYZ color 38.7958, 43.1119, 29.9436 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 38.7958, 43.1119, 29.9436 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

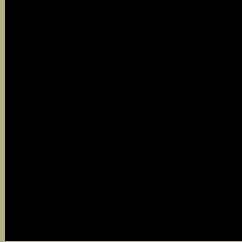
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

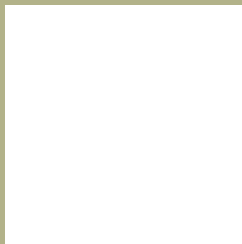
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.7958, 43.1119, 29.9436

Background



This preview shows how black text looks on a background with the XYZ color 38.7958, 43.1119, 29.9436.



This preview shows how white text looks on a background with the XYZ color 38.7958, 43.1119,

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

38.7958, 43.1119, 29.9436

Protanopia

40.2674, 43.0023, 29.4705

Deuteranopia

43.8397, 42.8485, 30.3861



Tritanopia

43.2766, 43.1982, 51.9561

Trichromacy



Original Color

38.7958, 43.1119, 29.9436

Protanomaly

39.7364, 43.0186, 29.5016

Deuteranomaly

41.8456, 42.9421, 30.1279

Tritanomaly

41.4953, 43.0443, 43.1671

Monochromacy



Original Color

38.7958, 43.1119, 29.9436

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.3543, 42.3120, 39.3505

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7958, 43.1119, 29.9436 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(178, 178, 137)` looks like.

```
.text, #text, p{  
    color:rgb(178, 178, 137)  
}
```

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(178, 178, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 178, 137) }
```

Border

The CSS property to change the border of an element to XYZ 38.7958, 43.1119, 29.9436 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(178, 178, 137) }
```


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

```
.border{ border-color:rgb(178, 178, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 178, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 178, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 178, 137);  
box-shadow:4px 4px 4px 4px rgb(178, 178,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7958, 43.1119, 29.9436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 178, 137) }
```

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

```
.background{ background-color: rgb(178,  
178, 137) }
```

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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