

Converting Colors

XYZ(51.0374, 55.7531, 43.1477)

Have a look what the booklet for
XYZ(51.0374, 55.7531, 43.1477)
contains.

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Color

**XYZ(51.2117, 55.9447,
43.2212)**

Conversions

Conversions Part 1

Format	Color
Hex	C9C7A4
RGB	201, 199, 164
RGB Percent	79%, 78%, 64%
CMY	0.2118, 0.2196, 0.3569
CMYK	0.00, 0.01, 0.18, 0.21
HSL	57°, 26%, 72%
HSV	57°, 18%, 79%
XYZ	51.2117, 55.9447, 43.2212
YIQ	195.6080, 12.4270, -10.4610

Conversions

Conversions Part 2

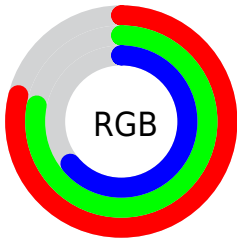
Format	Color
R _Y B	166, 201, 164
Decimal	13223844
CIE Lab	79.58, -5.13, 17.81
CIE LCh	80, 18.536, 106.070
Yxy	55.9447, 0.3406, 0.3720
Android (android.graphics.Color)	4291413924 (0xFFC9C7A4)
YUV	195.6080, -15.5827, 4.7288
Hunter-Lab	74.7962, -8.6774, 18.0964

Details

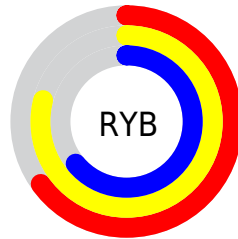
The XYZ color **51.2117, 55.9447, 43.2212** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **39.4886, 39.3812, 60.7789**, and the grayscale version is **52.3209, 55.0457, 59.9448**.

A 20% lighter version of the original color is **89.7862, 97.8945, 81.1811**, and **25.0827, 27.6237, 19.3391** is the 20% darker color. If you saturate the color by 10%, you get **49.2901, 54.7802, 34.3219**, and if you desaturate by 10%, it is **53.4250, 57.2325, 53.6345**.

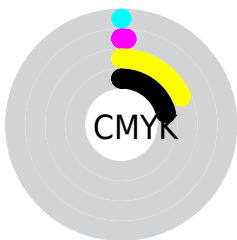
Distribution



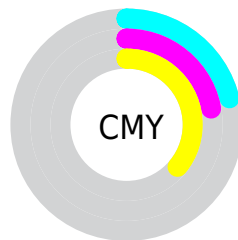
- Red (79%)
- Green (78%)
- Blue (64%)



- Red (65%)
- Yellow (79%)
- Blue (64%)



- Cyan (0%)
- Magenta (1%)
- Yellow (18%)
- Black (21%)



- Cyan (21%)
- Magenta (22%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.2117, 55.9447, 43.2212 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 51.2117, 55.9447, 43.2212 by changing the saturation by 10% instead.

■ 51.2117, 55.9447,
43.2212

■ 51.2117, 55.9447,
43.2212

381.7599,
409.4831, 375.4686

■ 36.5988, 40.1586,
29.7260

■ 91.1488, 98.9237,
81.3345

■ 25.0693, 27.6622,
19.3804

■ 117.2037,
126.8854, 106.7897

■ 16.2577, 18.0712,
11.7659

147.8033,
159.6744, 137.0686

■ 9.7987, 11.0011,
6.4639

183.3130,
197.6752, 172.5899

■ 5.3269, 6.0676,
3.0558

224.0982,
241.2720, 213.7719

■ 2.4770, 2.8862,
1.1232

270.5241,

■ 0.8837, 1.0726,

290.8493, 261.0334

0.0000

322.9562,
346.7915, 314.7928

■ 0.0000, 0.0000,
0.0000

■ 51.2117, 55.9447,
43.2212

■ 51.2117, 55.9447,
43.2212

■ 49.2901, 54.7802,
34.3219

■ 53.4250, 57.2325,
53.6345

■ 47.6423, 53.7262,
26.8622

■ 55.9380, 58.6411,
65.6243

■ 46.2553, 52.7793,
20.7668

■ 58.7642, 60.1779,
79.2541

■ 45.1131, 51.9332,
15.9523

■ 61.9146, 61.8472,
94.5827

■ 44.1982, 51.1808,
12.3258

■ 63.8319, 63.0262,
103.4087

■ 43.4906, 50.5142,
9.7823

■ 64.0912, 63.5448,
103.4951

■ 42.9669, 49.9239,
8.1982

■ 64.3523, 64.0670,
103.5822

■ 42.5905, 49.3953,
7.3814

■ 64.6152, 64.5928,
103.6698

■ 42.5355, 49.3134,
7.2766

■ 64.8799, 65.1222,
103.7581

Harmonies

Analogous

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



54.9202, 55.9447, 43.0633



51.2117, 55.9447, 43.2212



48.1707, 55.9447, 47.7382

Triad

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



51.2117, 55.9447, 43.2212



48.3484, 55.9447, 76.9486



60.4482, 55.9447, 65.9974

Complementary

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



51.2117, 55.9447, 43.2212



39.4886, 39.3812, 60.7789

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.



58.5118, 55.9447, 76.3158



51.2117, 55.9447, 43.2212



51.4647, 55.9447, 83.1210

Square

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



51.2117, 55.9447, 43.2212



46.5712, 55.9447, 66.7830



55.1853, 55.9447, 82.8767



60.3726, 55.9447, 55.3998

Rectangle

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



51.2117, 55.9447, 43.2212



46.8798, 55.9447, 52.9518



55.1853, 55.9447, 82.8767



60.0072, 55.9447, 69.6374

Sweetspot

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



51.2132, 55.9472, 43.2224



92.4209, 98.5280, 96.3513



44.2893, 41.7395, 42.0242



19.7231, 21.0558, 20.3439



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



51.2132, 55.9472, 43.2224



86.3394, 94.9833, 67.7550



47.5876, 54.7643, 43.1852



11.4730, 12.3152, 11.3351



26.7665, 31.0501, 4.5825



1.2827, 1.5009, 0.2221

Inverse Universe

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



39.4886, 39.3812, 60.7789



62.6798, 61.5548, 103.1854



42.6489, 40.4760, 60.8236



10.1018, 10.3777, 13.3882



6.7243, 2.8426, 34.9386



0.3348, 0.1674, 1.6598

Previews

White Background



This preview shows how the XYZ color 51.2117, 55.9447, 43.2212 looks on a white background.

Color Contrast Check

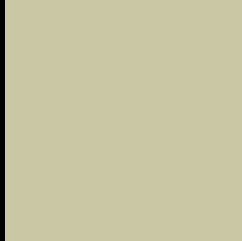
Large Text (above 18pt) WCAG AA × Fail

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 51.2117, 55.9447, 43.2212 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

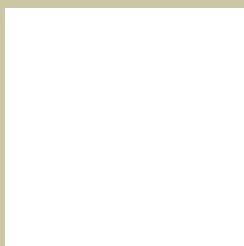
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.2117, 55.9447, 43.2212

Background



This preview shows how black text looks on a background with the XYZ color 51.2117, 55.9447, 43.2212.



This preview shows how white text looks on a background with the XYZ color 51.2117, 55.9447,

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

51.2117, 55.9447, 43.2212

Protanopia

52.5895, 55.9867, 42.6851

Deuteranopia

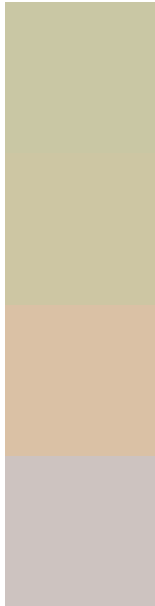
56.9749, 55.9110, 43.8654



Tritanopia

56.1873, 55.9594, 67.5144

Trichromacy



Original Color

51.2117, 55.9447, 43.2212

Protanomaly

51.9818, 56.0116, 42.7219

Deuteranomaly

54.7749, 55.7620, 43.4735

Tritanomaly

54.2064, 55.8151, 57.7856

Monochromacy



Original Color

51.2117, 55.9447, 43.2212

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

51.9067, 55.3990, 53.3047

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2117, 55.9447, 43.2212 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(201, 199, 164)` looks like.

```
.text, #text, p{  
    color:rgb(201, 199, 164)  
}
```

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(201, 199, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 199, 164) }
```

Border

The CSS property to change the border of an element to XYZ 51.2117, 55.9447, 43.2212 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(201, 199, 164) }
```


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

```
.border{ border-color:rgb(201, 199, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 199, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 199, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 199, 164);  
box-shadow:4px 4px 4px 4px rgb(201, 199,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2117, 55.9447, 43.2212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 199, 164) }
```

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

```
.background{ background-color: rgb(201,  
199, 164) }
```

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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