

Converting Colors

XYZ(51.0874, 56.7326, 44.8437)

Have a look what the booklet for
XYZ(51.0874, 56.7326, 44.8437)
contains.

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Color

**XYZ(51.1215, 56.9014,
44.8479)**

Conversions

Conversions Part 1

Format	Color
Hex	C5CAA7
RGB	197, 202, 167
RGB Percent	77%, 79%, 65%
CMY	0.2274, 0.2078, 0.3451
CMYK	0.02, 0.00, 0.17, 0.21
HSL	69°, 25%, 72%
HSV	69°, 17%, 79%
XYZ	51.1215, 56.9014, 44.8479
YIQ	196.5150, 8.2550, -11.9450

Conversions

Conversions Part 2

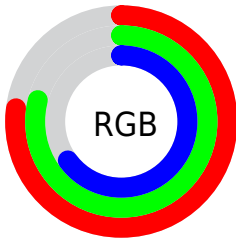
Format	Color
RYB	167, 202, 172
Decimal	12962471
CIELab	80.12, -7.71, 16.92
CIELCh	80, 18.595, 114.479
Yxy	56.9014, 0.3344, 0.3722
Android (android.graphics.Color)	4291152551 (0xFFC5CAA7)
YUV	196.5150, -14.5509, 0.4253
Hunter-Lab	75.4330, -11.0370, 17.5529

Details

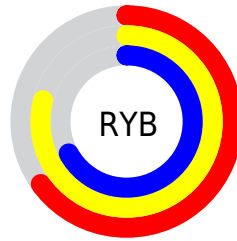
The XYZ color **51.1215, 56.9014, 44.8479** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **41.4949, 40.6739, 61.5441**, and the grayscale version is **52.8612, 55.6141, 60.5638**.

A 20% lighter version of the original color is **89.8179, 97.8648, 83.2631**, and **25.0121, 28.2573, 20.3556** is the 20% darker color. If you saturate the color by 10%, you get **48.6496, 55.8280, 35.7338**, and if you desaturate by 10%, it is **53.9027, 58.1040, 55.5015**.

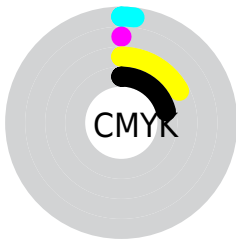
Distribution



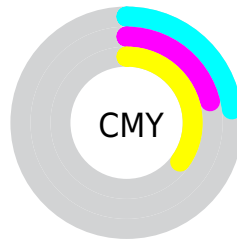
- Red (77%)
- Green (79%)
- Blue (65%)



- Red (65%)
- Yellow (79%)
- Blue (67%)



- Cyan (2%)
- Magenta (0%)
- Yellow (17%)
- Black (21%)





- Cyan (23%)
- Magenta (21%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.1215, 56.9014, 44.8479 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 51.1215, 56.9014, 44.8479 by changing the saturation by 10% instead.


 51.1215, 56.9014,
44.8479


 51.1215, 56.9014,
44.8479


381.4155,
413.0797, 382.2993

 36.5267, 40.9261,
30.9956


 91.0163, 100.3213,
83.8082

 25.0133, 28.2613,
20.3370


 117.0470,
128.5347, 109.7531

 16.2157, 18.5227,
12.4538


147.6204,
161.5962, 140.5661

 9.7688, 11.3259,
6.9272

183.1019,
199.8903, 176.6656

 5.3070, 6.2865,
3.3389

223.8568,
243.8012, 218.4701

 2.4651, 3.0201,
1.2702

270.2505,

 0.8777, 1.1422,

293.7136, 266.3982

0.0371

322.6483,
350.0116, 320.8684

■ 0.0000, 0.0137,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 51.1215, 56.9014,
44.8479

■ 51.1215, 56.9014,
44.8479

■ 48.6496, 55.8280,
35.7338

■ 53.9027, 58.1040,
55.5015

■ 46.4688, 54.8708,
28.0845

■ 57.0014, 59.4334,
67.7574

■ 44.5660, 54.0265,
21.8243

■ 60.4310, 60.8968,
81.6795

■ 42.9253, 53.2886,
16.8697

■ 64.2028, 62.4988,
97.3270

■ 41.5289, 52.6501,
13.1278

■ 66.1623, 63.3776,
103.3537

■ 40.3569, 52.1030,
10.4939

■ 66.9995, 63.8092,
103.3929

■ 39.3859, 51.6379,
8.8452

■ 67.8517, 64.2485,
103.4328

■ 38.5835, 51.2419,
8.0121

■ 68.7189, 64.6956,
103.4734

■ 38.3826, 51.1418,
7.8484

■ 69.6013, 65.1505,
103.5147

Harmonies

Analogous

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



54.7867, 56.9014, 43.4298



51.1215, 56.9014, 44.8479



48.3702, 56.9014, 50.6120

Triad

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



51.1215, 56.9014, 44.8479



49.9616, 56.9014, 80.5271



61.6598, 56.9014, 63.9841

Complementary

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



51.1215, 56.9014, 44.8479



41.4949, 40.6739, 61.5441

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.



60.2290, 56.9014, 74.8797



51.1215, 56.9014, 44.8479



53.3855, 56.9014, 85.1187

Square

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



51.1215, 56.9014, 44.8479



47.7227, 56.9014, 71.0054



57.1569, 56.9014, 82.9404



60.9848, 56.9014, 53.7101

Rectangle

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



51.1215, 56.9014, 44.8479



47.3658, 56.9014, 56.5413



57.1569, 56.9014, 82.9404



61.4072, 56.9014, 67.7058

Sweetspot

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



51.1230, 56.9039, 44.8491



92.3971, 98.8617, 98.4138



46.0233, 44.7265, 42.7674



19.6994, 21.1272, 20.7613



0.0000, 0.0000, 0.0000



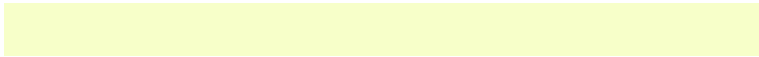
20.3446, 21.4041, 23.3091

Same Dimension

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



51.1230, 56.9039, 44.8491



84.8347, 95.5950, 69.5167



46.8812, 54.7172, 44.6506



11.9901, 13.0123, 11.9591



24.7551, 32.9370, 5.0527



1.3214, 1.7220, 0.2627

Inverse Universe

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



41.4949, 40.6739, 61.5441



65.3663, 62.7742, 103.2792



45.5089, 42.7432, 61.7319



10.7485, 10.9197, 14.1116



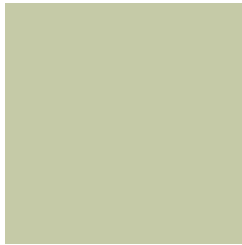
7.2296, 2.9345, 36.1416



0.4224, 0.1768, 1.8668

Previews

White Background



This preview shows how the XYZ color 51.1215, 56.9014, 44.8479 looks on a white background.

Color Contrast Check

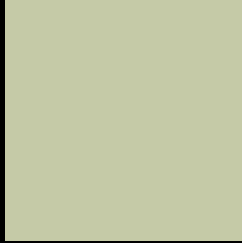
Large Text (above 18pt) WCAG AA × Fail

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 51.1215, 56.9014, 44.8479 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

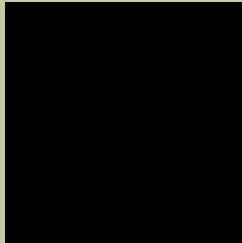
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

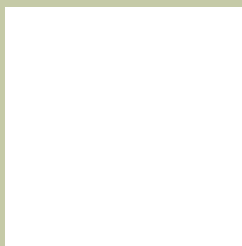
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.1215, 56.9014, 44.8479

Background



This preview shows how black text looks on a background with the XYZ color 51.1215, 56.9014, 44.8479.



This preview shows how white text looks on a background with the XYZ color 51.1215, 56.9014,

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

51.1215, 56.9014, 44.8479

Protanopia

53.5640, 56.8064, 43.7389

Deuteranopia

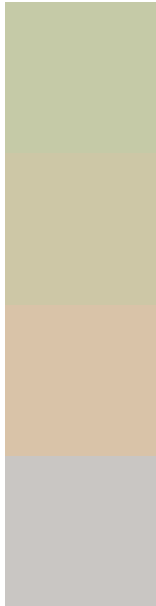
57.7871, 56.6202, 45.4192



Tritanopia

56.1264, 56.8795, 69.6487

Trichromacy



Original Color

51.1215, 56.9014, 44.8479

Protanomaly

52.4832, 56.5792, 44.2311

Deuteranomaly

55.1983, 56.6091, 45.0632

Tritanomaly

54.1318, 56.7458, 59.7297

Monochromacy



Original Color

51.1215, 56.9014, 44.8479

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

52.3123, 56.2623, 54.5569

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1215, 56.9014, 44.8479 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(197, 202, 167)` looks like.

```
.text, #text, p{  
    color:rgb(197, 202, 167)  
}
```

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(197, 202, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 202, 167) }
```

Border

The CSS property to change the border of an element to XYZ 51.1215, 56.9014, 44.8479 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(197, 202, 167) }
```


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

```
.border{ border-color:rgb(197, 202, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 202, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 202, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 202, 167);  
box-shadow:4px 4px 4px 4px rgb(197, 202,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1215, 56.9014, 44.8479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 202, 167) }
```

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

```
.background{ background-color: rgb(197,  
202, 167) }
```

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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