

Converting Colors

XYZ(55.8717, 56.7678, 44.5756)

Have a look what the booklet for
XYZ(55.8717, 56.7678, 44.5756)
contains.

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Color

**XYZ(55.7820, 56.5892,
44.5420)**

Conversions

Conversions Part 1

Format	Color
Hex	DCC2A7
RGB	220, 194, 167
RGB Percent	86%, 76%, 65%
CMY	0.1373, 0.2392, 0.3451
CMYK	0.00, 0.12, 0.24, 0.14
HSL	31°, 43%, 76%
HSV	31°, 24%, 86%
XYZ	55.7820, 56.5892, 44.5420
YIQ	198.6960, 24.1630, -2.8850

Conversions

Conversions Part 2

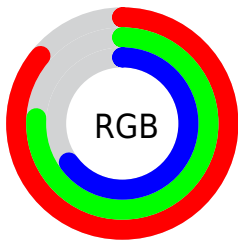
Format	Color
R_{YB}	218, 220, 167
Decimal	14467751
CIE Lab	79.95, 5.05, 16.96
CIE LCh	80, 17.696, 73.409
Yxy	56.5892, 0.3555, 0.3606
Android (android.graphics.Color)	4292657831 (0xFFDCC2A7)
YUV	198.6960, -15.6261, 18.6836
Hunter-Lab	75.2258, 0.7175, 17.5518

Details

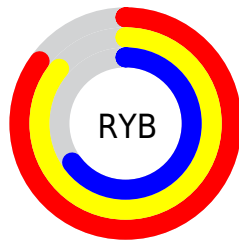
The XYZ color **55.7820, 56.5892, 44.5420** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **47.9242, 51.5214, 75.1291**, and the grayscale version is **54.1836, 57.0054, 62.0789**.

A 20% lighter version of the original color is **88.6104, 94.9051, 82.7555**, and **27.7824, 27.8865, 20.1380** is the 20% darker color. If you saturate the color by 10%, you get **51.6041, 51.2157, 33.9545**, and if you desaturate by 10%, it is **60.4833, 62.4550, 57.0122**.

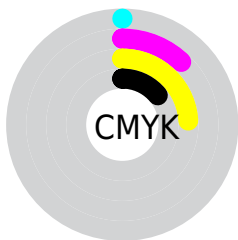
Distribution



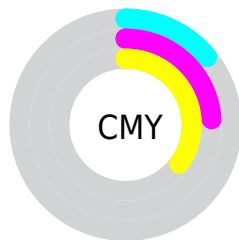
- Red (86%)
- Green (76%)
- Blue (65%)



- Red (85%)
- Yellow (86%)
- Blue (65%)



- Cyan (0%)
- Magenta (12%)
- Yellow (24%)
- Black (14%)





- Cyan (14%)
- Magenta (24%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.7820, 56.5892, 44.5420 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 55.7820, 56.5892, 44.5420 by changing the saturation by 10% instead.


 55.7820, 56.5892,
44.5420


 55.7820, 56.5892,
44.5420


398.9578,
411.9082, 381.0214

 40.2645, 40.6755,
30.7565


 97.8274, 99.8655,
83.3439

 27.9299, 28.0656,
20.1566


 125.0860,
127.9970, 109.1973

 18.4130, 18.3751,
12.3237


156.9891,
160.9698, 139.9105

 11.3484, 11.2196,
6.8393

193.9019,
199.1683, 175.9020

 6.3707, 6.2148,
3.2849

236.1898,
242.9771, 217.5902

 3.1146, 2.9761,
1.2419

284.2182,

 1.2146, 1.1193,

292.7804, 265.3939

0.0134

338.3524,
348.9626, 319.7314

■ 0.1179, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.7820, 56.5892,
44.5420

■ 55.7820, 56.5892,
44.5420

■ 51.6041, 51.2157,
33.9545

■ 60.4833, 62.4550,
57.0122

■ 47.9239, 46.3126,
25.1527

■ 65.7235, 68.8191,
71.4485

■ 44.7202, 41.8671,
18.0364

■ 71.5226, 75.6971,
87.9334

■ 41.9680, 37.8630,
12.4937

■ 77.8981, 83.1013,
106.5422

■ 39.6396, 34.2826,
8.3991

■ 81.1199, 89.5450,
107.6162

■ 37.7035, 31.1066,
5.6072

■ 83.3253, 93.9557,
108.3513

■ 36.1220, 28.3129,
3.9419

■ 35.3199, 26.8249,
3.3162

Harmonies

Analogous

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



58.9597, 56.5892, 49.0020



55.7820, 56.5892, 44.5420



52.2011, 56.5892, 44.3135

Triad

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



55.7820, 56.5892, 44.5420



47.3458, 56.5892, 66.3162



58.6719, 56.5892, 77.1262

Complementary

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



55.7820, 56.5892, 44.5420



47.9242, 51.5214, 75.1291

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.



55.4034, 56.5892, 82.9215



55.7820, 56.5892, 44.5420



48.9248, 56.5892, 76.2278

Square

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



55.7820, 56.5892, 44.5420



47.4370, 56.5892, 56.1406



51.8388, 56.5892, 82.5756



60.6783, 56.5892, 67.4364

Rectangle

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



55.7820, 56.5892, 44.5420



50.0736, 56.5892, 46.5398



51.8388, 56.5892, 82.5756



57.6782, 56.5892, 79.6401

Sweetspot

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



55.7835, 56.5918, 44.5432



89.5783, 93.4438, 93.5509



53.0159, 46.7264, 56.9704



19.0763, 19.8834, 19.7547



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.



55.7835, 56.5918, 44.5432



74.8465, 75.1199, 54.2977



62.0838, 69.1923, 46.6433



13.6018, 14.1429, 13.7385



20.8407, 15.9670, 1.9835



1.4364, 1.2068, 0.1572

Inverse Universe

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



47.9242, 51.5214, 75.1291



62.0135, 66.8412, 104.2409



42.6740, 41.0210, 73.3791



12.8634, 13.6665, 16.6121



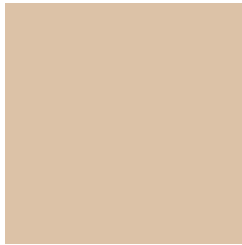
10.8340, 9.5374, 41.0083



0.7880, 0.7901, 2.6854

Previews

White Background



This preview shows how the XYZ color 55.7820, 56.5892, 44.5420 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 55.7820, 56.5892, 44.5420 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 55.7820, 56.5892, 44.5420

Background



This preview shows how black text looks on a background with the XYZ color 55.7820, 56.5892, 44.5420.



This preview shows how white text looks on a background with the XYZ color 55.7820, 56.5892,

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

55.7820, 56.5892, 44.5420

Protanopia

53.6500, 56.8080, 45.6735

Deuteranopia

57.6936, 56.5827, 44.9266



Tritanopia

59.8371, 56.6021, 64.8983

Trichromacy



Original Color

55.7820, 56.5892, 44.5420

Protanomaly

54.4747, 56.9058, 45.1586

Deuteranomaly

56.9689, 56.5340, 44.9554

Tritanomaly

58.4662, 56.7112, 57.1551

Monochromacy



Original Color

55.7820, 56.5892, 44.5420

Achromatopsia

54.2854, 57.1125, 62.1955

Achromatomaly

54.6680, 56.7858, 55.0931

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.7820, 56.5892, 44.5420 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(220, 194, 167)` looks like.

```
.text, #text, p{  
    color:rgb(220, 194, 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(220, 194, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 194, 167) }
```

Border

The CSS property to change the border of an element to XYZ 55.7820, 56.5892, 44.5420 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(220, 194, 167) }
```


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

```
.border{ border-color:rgb(220, 194, 167) }
```

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

Here you see how a box with a 4 pixel rgb(220, 194, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 194, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 194, 167);  
box-shadow:4px 4px 4px 4px rgb(220, 194,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 55.7820, 56.5892, 44.5420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 194, 167) }
```

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

```
.background{ background-color: rgb(220,  
194, 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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