

Converting Colors

XYZ(50.3780, 55.7121, 44.6951)

Have a look what the booklet for
XYZ(50.3780, 55.7121, 44.6951)
contains.

XYZ(50.3943, 55.8343, 44.6803)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(50.3943, 55.8343,
44.6803)**

Conversions

Conversions Part 1

Format	Color
Hex	C4C8A7
RGB	196, 200, 167
RGB Percent	77%, 78%, 65%
CMY	0.2314, 0.2157, 0.3451
CMYK	0.02, 0.00, 0.17, 0.22
HSL	67°, 23%, 72%
HSV	67°, 17%, 78%
XYZ	50.3943, 55.8343, 44.6803
YIQ	195.0420, 8.2090, -11.1110

Conversions

Conversions Part 2

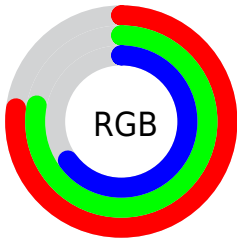
Format	Color
RYB	167, 200, 171
Decimal	12896423
CIELab	79.52, -7.04, 16.07
CIELCh	80, 17.540, 113.650
Yxy	55.8343, 0.3339, 0.3700
Android (android.graphics.Color)	4291086503 (0xFFC4C8A7)
YUV	195.0420, -13.8247, 0.8402
Hunter-Lab	74.7224, -10.3800, 16.8531

Details

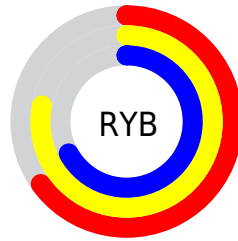
The XYZ color **50.3943, 55.8343, 44.6803** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **41.0408, 40.4670, 60.2944**, and the grayscale version is **51.9744, 54.6811, 59.5477**.

A 20% lighter version of the original color is **89.4528, 97.6766, 83.2460**, and **24.5287, 27.5464, 20.2438** is the 20% darker color. If you saturate the color by 10%, you get **48.0610, 54.8305, 35.6545**, and if you desaturate by 10%, it is **53.0268, 56.9627, 55.2150**.

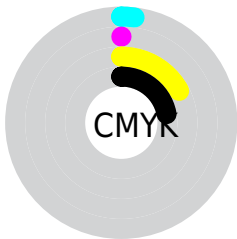
Distribution



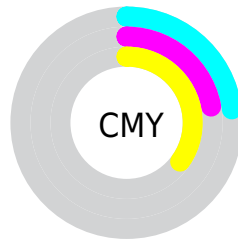
- Red (77%)
- Green (78%)
- Blue (65%)



- Red (65%)
- Yellow (78%)
- Blue (67%)



- Cyan (2%)
- Magenta (0%)
- Yellow (17%)
- Black (22%)





- Cyan (23%)
- Magenta (22%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.3943, 55.8343, 44.6803 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 50.3943, 55.8343, 44.6803 by changing the saturation by 10% instead.


 50.3943, 55.8343,
44.6803


 50.3943, 55.8343,
44.6803


378.6324,
409.0667, 381.5995

 35.9459, 40.0701,
30.8646


 89.9471, 98.7623,
83.5538

 24.5623, 27.5932,
20.2381


 115.7823,
126.6948, 109.4487

 15.8783, 18.0192,
12.3825


146.1437,
159.4522, 140.2070

 9.5283, 10.9638,
6.8790

181.3967,
197.4190, 176.2474

 5.1472, 6.0425,
3.3093

221.9068,
240.9794, 217.9882

 2.3695, 2.8709,
1.2546

268.0392,

 0.8299, 1.0647,

290.5179, 265.8482

0.0242

320.1593,
346.4189, 320.2458

■ 0.0000, 0.0000,
0.0000

■ 50.3943, 55.8343,
44.6803

■ 50.3943, 55.8343,
44.6803

■ 48.0610, 54.8305,
35.6545

■ 53.0268, 56.9627,
55.2150

■ 46.0093, 53.9387,
28.0652

■ 55.9663, 58.2132,
67.3198

■ 44.2265, 53.1556,
21.8391

■ 59.2260, 59.5929,
81.0564

■ 42.6971, 52.4750,
16.8951

■ 62.8167, 61.1063,
96.4826

■ 41.4042, 51.8901,
13.1437

■ 64.7553, 61.9600,
103.1542

■ 40.3283, 51.3933,
10.4836

■ 65.4434, 62.3147,
103.1864

■ 39.4472, 50.9755,
8.7970

■ 66.1420, 62.6749,
103.2191

■ 38.7317, 50.6250,
7.9312

■ 66.8511, 63.0404,
103.2523

■ 38.5012, 50.5106,
7.7203

■ 67.5708, 63.4114,
103.2860

Harmonies

Analogous

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



53.8226, 55.8343, 43.4601



50.3943, 55.8343, 44.6803



47.7914, 55.8343, 49.9922

Triad

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



50.3943, 55.8343, 44.6803



49.1494, 55.8343, 77.8192



60.0992, 55.8343, 62.9680

Complementary

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



50.3943, 55.8343, 44.6803



41.0408, 40.4670, 60.2944

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.



58.7211, 55.8343, 73.0495



50.3943, 55.8343, 44.6803



52.3222, 55.8343, 82.2151

Square

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



50.3943, 55.8343, 44.6803



47.0952, 55.8343, 68.9238



55.8363, 55.8343, 80.3796



59.5273, 55.8343, 53.3302

Rectangle

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



50.3943, 55.8343, 44.6803



46.8230, 55.8343, 55.4882



55.8363, 55.8343, 80.3796



59.8467, 55.8343, 66.4279

Sweetspot

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



50.3958, 55.8368, 44.6815



92.4978, 98.9136, 98.4185



45.3309, 44.1401, 42.6908



19.7239, 21.1399, 20.7624



0.0000, 0.0000, 0.0000



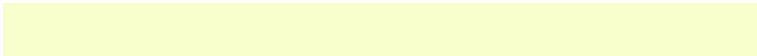
20.3446, 21.4041, 23.3091

Same Dimension

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



50.3958, 55.8368, 44.6815



85.6592, 95.9850, 71.1390



46.3723, 53.7626, 44.4932



11.3924, 12.3492, 11.3460



24.5299, 32.1409, 4.9110



1.1981, 1.5407, 0.2342

Inverse Universe

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



41.0408, 40.4670, 60.2944



66.2746, 64.1349, 103.4940



44.8251, 42.4179, 60.4715



10.1743, 10.3481, 13.3786



6.9132, 2.7981, 34.9201



0.3681, 0.1535, 1.6554

Previews

White Background



This preview shows how the XYZ color 50.3943, 55.8343, 44.6803 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 50.3943, 55.8343, 44.6803 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

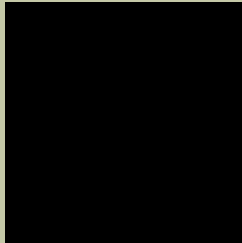
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

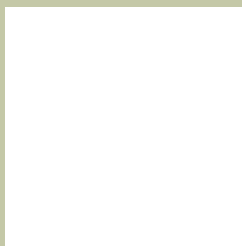
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.3943, 55.8343, 44.6803

Background



This preview shows how black text looks on a background with the XYZ color 50.3943, 55.8343, 44.6803.



This preview shows how white text looks on a background with the XYZ color 50.3943, 55.8343,

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

50.3943, 55.8343, 44.6803

Protanopia

52.5439, 55.6064, 43.5611

Deuteranopia

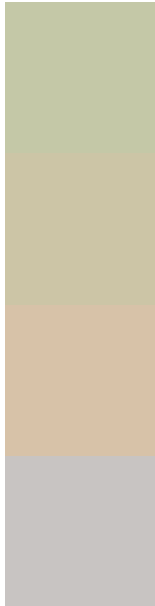
56.9389, 55.8602, 45.3172



Tritanopia

55.1575, 55.7436, 68.1741

Trichromacy



Original Color

50.3943, 55.8343, 44.6803

Protanomaly

51.7510, 55.5230, 44.0658

Deuteranomaly

54.3840, 55.8578, 44.9611

Tritanomaly

53.2969, 55.6543, 58.9722

Monochromacy



Original Color

50.3943, 55.8343, 44.6803

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

51.2289, 55.0374, 53.8222

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.3943, 55.8343, 44.6803 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(196, 200, 167)` looks like.

```
.text, #text, p{  
    color:rgb(196, 200, 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(196, 200, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 200, 167) }
```

Border

The CSS property to change the border of an element to XYZ 50.3943, 55.8343, 44.6803 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(196, 200, 167) }
```


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

```
.border{ border-color:rgb(196, 200, 167) }
```

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

Here you see how a box with a 4 pixel rgb(196, 200, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 200, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 200, 167);  
box-shadow:4px 4px 4px 4px rgb(196, 200,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 50.3943, 55.8343, 44.6803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 200, 167) }
```

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

```
.background{ background-color: rgb(196,  
200, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor