

# Converting Colors

XYZ(51.5887, 55.4303, 44.1520)

Have a look what the booklet for  
XYZ(51.5887, 55.4303, 44.1520)  
contains.

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# Color

**XYZ(51.4778, 55.3822,  
44.0531)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CBC5A6
RGB	203, 197, 166
RGB Percent	80%, 77%, 65%
CMY	0.2039, 0.2274, 0.3490
CMYK	0.00, 0.03, 0.18, 0.20
HSL	50°, 26%, 72%
HSV	50°, 18%, 80%
XYZ	51.4778, 55.3822, 44.0531
YIQ	195.2600, 13.5270, -8.3690

# Conversions

## Conversions Part 2

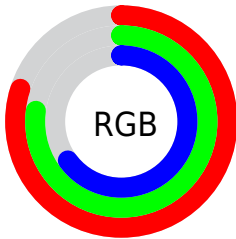
<b>Format</b>	<b>Color</b>
<b>RYB</b>	173, 203, 166
Decimal	13354406
CIELab	79.26, -3.04, 16.32
CIELCh	79, 16.601, 100.559
Yxy	55.3822, 0.3411, 0.3670
Android (android.graphics.Color)	4291544486 (0xFFCBC5A6)
YUV	195.2600, -14.4252, 6.7880
Hunter-Lab	74.4192, -6.7603, 16.9962

# Details

The XYZ color **51.4778, 55.3822, 44.0531** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **41.2578, 41.9230, 62.4177**, and the grayscale version is **52.1057, 54.8193, 59.6982**.

A 20% lighter version of the original color is **89.7330, 97.3641, 82.4703**, and **25.2541, 27.2494, 19.8482** is the 20% darker color. If you saturate the color by 10%, you get **49.0224, 53.2197, 34.7613**, and if you desaturate by 10%, it is **54.2464, 57.6998, 54.9008**.

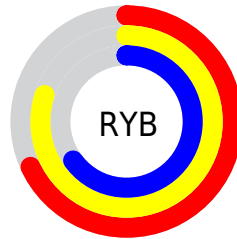
# Distribution



Red (80%)

Green (77%)

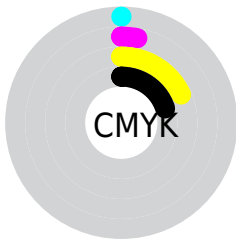
Blue (65%)



Red (68%)

Yellow (80%)

Blue (65%)

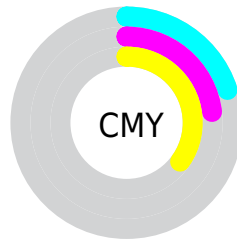


Cyan (0%)

Magenta (3%)

Yellow (18%)

Black (20%)



Cyan (20%)

Magenta (23%)

Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.4778, 55.3822, 44.0531 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 51.4778, 55.3822, 44.0531 by changing the saturation by 10% instead.




 51.4778, 55.3822,  
44.0531


 51.4778, 55.3822,  
44.0531


382.7744,  
407.3591, 378.9726

 36.8116, 39.7078,  
30.3748


 91.5394, 98.1007,  
82.6010

 25.2347, 27.3108,  
19.8688


 117.6656,  
125.9136, 108.3076

 16.3816, 17.8068,  
12.1165


148.3424,  
158.5415, 138.8607

 9.8872, 10.8114,  
6.6996

183.9353,  
196.3687, 174.6788

 5.3859, 5.9401,  
3.1994

224.8096,  
239.7797, 216.1805

 2.5125, 2.8087,  
1.1973

271.3307,

 0.9016, 1.0327,

289.1588, 263.7844

0.0000

323.8638,  
344.8905, 317.9089

■ 0.0000, 0.0000,  
0.0000

■ 51.4778, 55.3822,  
44.0531

■ 51.4778, 55.3822,  
44.0531

■ 49.0224, 53.2197,  
34.7613

■ 54.2464, 57.6998,  
54.9008

■ 46.8620, 51.1993,  
26.9494

■ 57.3368, 60.1704,  
67.3687

■ 44.9831, 49.3172,  
20.5403

■ 60.7626, 62.8017,  
81.5215

■ 43.3693, 47.5668,  
15.4485

■ 64.5354, 65.5983,  
97.4195

■ 42.0026, 45.9406,  
11.5793

■ 66.5870, 67.7331,  
104.1720

■ 40.8623, 44.4302,  
8.8250

■ 67.4252, 69.4095,  
104.4514

■ 39.9245, 43.0259,  
7.0594

■ 68.2803, 71.1196,  
104.7364

■ 39.1527, 41.7130,  
6.0913

■ 69.1523, 72.8638,  
105.0271

■ 39.0233, 41.4856,  
5.9508

■ 70.0415, 74.6420,  
105.3235

# Harmonies

## Analogous

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



54.7929, 55.3822, 44.6503



51.4778, 55.3822, 44.0531



48.5958, 55.3822, 47.4492

# Triad

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



51.4778, 55.3822, 44.0531



47.9359, 55.3822, 72.9900



58.8923, 55.3822, 66.5949

# Complementary

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



51.4778, 55.3822, 44.0531



41.2578, 41.9230, 62.4177

# 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.



56.9007, 55.3822, 75.2880



51.4778, 55.3822, 44.0531



50.5425, 55.3822, 79.2402

# Square

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



51.4778, 55.3822, 44.0531



46.6087, 55.3822, 63.7149



53.8178, 55.3822, 80.1228



59.1685, 55.3822, 57.0128



# Rectangle

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



51.4778, 55.3822, 44.0531



47.2724, 55.3822, 51.7532



53.8178, 55.3822, 80.1228



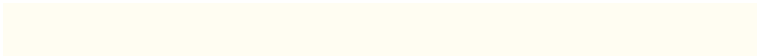
58.3974, 55.3822, 69.7435

# Sweetspot

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



51.4793, 55.3847, 44.0543



92.4090, 97.8947, 98.2265



45.7279, 42.9547, 44.9954



19.7023, 20.8913, 20.7156



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.



51.4793, 55.3847, 44.0543



84.4654, 91.2353, 67.1303



49.6415, 56.4987, 44.3662



11.9931, 12.7751, 11.9132



24.8904, 26.5137, 3.8058



1.3265, 1.4527, 0.2105



# Inverse Universe

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



41.2578, 41.9230, 62.4177



64.1303, 64.4556, 103.6689



42.8531, 41.0895, 62.1727



10.7462, 11.1328, 14.1528



7.2487, 3.5214, 36.2539

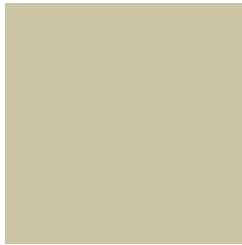


0.4212, 0.2761, 1.8860



# Previews

## White Background



This preview shows how the XYZ color 51.4778, 55.3822, 44.0531 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

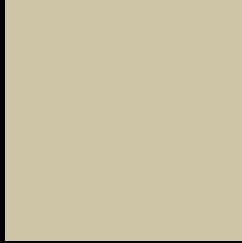
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.4778, 55.3822, 44.0531 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

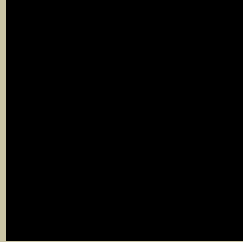
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

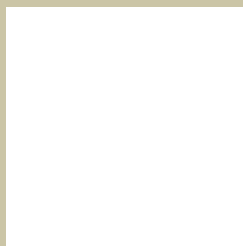
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 51.4778, 55.3822, 44.0531

## Background



This preview shows how black text looks on a background with the XYZ color 51.4778, 55.3822, 44.0531.



This preview shows how white text looks on a background with the XYZ color 51.4778, 55.3822,



# 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

51.4778, 55.3822, 44.0531

### Protanopia

52.2636, 55.4619, 43.5479

### Deuteranopia

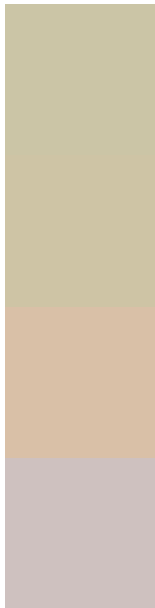
56.3168, 55.2299, 44.7380



## Tritanopia

55.7838, 55.1277, 66.0931

# Trichromacy



## Original Color

51.4778, 55.3822, 44.0531

## Protanomaly

51.9851, 55.3183, 43.5349

## Deuteranomaly

54.4400, 55.2410, 44.3525

## Tritanomaly

53.9275, 55.0233, 57.0685

# Monochromacy



## Original Color

51.4778, 55.3822, 44.0531

## Achromatopsia

51.8711, 54.5724, 59.4294

## Achromatomaly

51.6804, 54.9463, 53.2293

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.4778, 55.3822, 44.0531 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(203, 197, 166)` looks like.

```
.text, #text, p{  
    color:rgb(203, 197, 166)  
}
```

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(203, 197, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 197, 166) }
```

## Border

The CSS property to change the border of an element to XYZ 51.4778, 55.3822, 44.0531 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(203, 197, 166) }
```



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

```
.border{ border-color:rgb(203, 197, 166) }
```

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

Here you see how a box with a 4 pixel rgb(203, 197, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 197, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 197, 166);  
box-shadow:4px 4px 4px 4px rgb(203, 197,  
166) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.4778, 55.3822, 44.0531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 197, 166) }
```

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

```
.background{ background-color: rgb(203,  
197, 166) }
```

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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