

Converting Colors

XYZ(50.1823, 54.9282, 43.0197)

Have a look what the booklet for
XYZ(50.1823, 54.9282, 43.0197)
contains.

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Color

**XYZ(50.1836, 55.0743,
43.1074)**

Conversions

Conversions Part 1

Format	Color
Hex	C6C6A4
RGB	198, 198, 164
RGB Percent	78%, 78%, 64%
CMY	0.2235, 0.2235, 0.3569
CMYK	0.00, 0.00, 0.17, 0.22
HSL	60°, 23%, 71%
HSV	60°, 17%, 78%
XYZ	50.1836, 55.0743, 43.1074
YIQ	194.1240, 10.9140, -10.5740

Conversions

Conversions Part 2

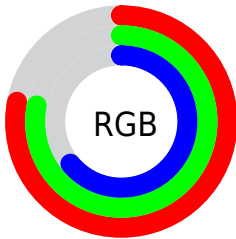
Format	Color
RYB	164, 198, 164
Decimal	13026980
CIELab	79.08, -5.72, 17.08
CIELCh	79, 18.015, 108.527
Yxy	55.0743, 0.3382, 0.3712
Android (android.graphics.Color)	4291217060 (0xFFC6C6A4)
YUV	194.1240, -14.8511, 3.3993
Hunter-Lab	74.2121, -9.1660, 17.5088

Details

The XYZ color **50.1836, 55.0743, 43.1074** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **38.7805, 38.5222, 58.8208**, and the grayscale version is **51.4335, 54.1120, 58.9280**.

A 20% lighter version of the original color is **89.7862, 97.8945, 81.1811**, and **24.3995, 27.0457, 19.2636** is the 20% darker color. If you saturate the color by 10%, you get **48.5328, 54.4157, 34.4116**, and if you desaturate by 10%, it is **52.1158, 55.8491, 53.2719**.

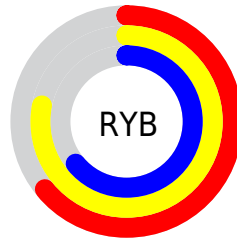
Distribution



Red (78%)

Green (78%)

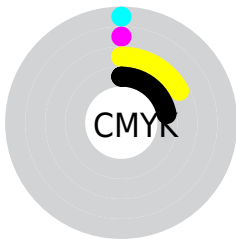
Blue (64%)



Red (64%)

Yellow (78%)

Blue (64%)

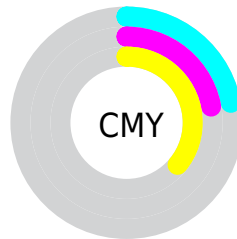


Cyan (0%)

Magenta (0%)

Yellow (17%)

Black (22%)



Cyan (22%)


Magenta (22%)


Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.1836, 55.0743, 43.1074 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 50.1836, 55.0743, 43.1074 by changing the saturation by 10% instead.


 50.1836, 55.0743,
43.1074


 50.1836, 55.0743,
43.1074


377.8236,
406.1935, 374.9874

 35.7777, 39.4612,
29.6374


 89.6370, 97.6498,
81.1610

 24.4319, 27.1187,
19.3138


 115.4153,
125.3810, 106.5816

 15.7808, 17.6624,
11.7181


145.7150,
157.9204, 136.8229

 9.4590, 10.7079,
6.4318

180.9016,
195.6523, 172.3033

 5.1013, 5.8708,
3.0364

221.3404,
238.9612, 213.4415

 2.3422, 2.7667,
1.1133

267.3968,

 0.8161, 1.0112,

288.2314, 260.6558

0.0000

319.4361,
343.8474, 314.3650

■ 0.0000, 0.0000,
0.0000

■ 50.1836, 55.0743,
43.1074

■ 50.1836, 55.0743,
43.1074

■ 48.5328, 54.4157,
34.4116

■ 52.1158, 55.8491,
53.2719

■ 47.1461, 53.8610,
27.1132

■ 54.3370, 56.7377,
64.9648

■ 46.0112, 53.4069,
21.1406

■ 56.8600, 57.7470,
78.2468

■ 45.1129, 53.0475,
16.4141

■ 59.6954, 58.8812,
93.1743

■ 44.4345, 52.7761,
12.8457

■ 61.5377, 59.6182,
102.8718

■ 43.9572, 52.5851,
10.3359

■ 61.5384, 59.6186,
102.8719

■ 43.6588, 52.4656,
8.7682

■ 61.5392, 59.6190,
102.8719

■ 43.5089, 52.4056,
7.9829

■ 61.5399, 59.6193,
102.8719

■ 43.4780, 52.3932,
7.8214

■ 61.5406, 59.6197,
102.8720

Harmonies

Analogous

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



53.7315, 55.0743, 42.6042



50.1836, 55.0743, 43.1074



47.3429, 55.0743, 47.8040

Triad

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



50.1836, 55.0743, 43.1074



47.9068, 55.0743, 76.0318



59.4069, 55.0743, 63.9853

Complementary

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



50.1836, 55.0743, 43.1074



38.7805, 38.5222, 58.8208

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.



57.6907, 55.0743, 74.0347



50.1836, 55.0743, 43.1074



50.9855, 55.0743, 81.5018

Square

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



50.1836, 55.0743, 43.1074



46.0705, 55.0743, 66.4701



54.5706, 55.0743, 80.7318



59.1680, 55.0743, 53.9017

Rectangle

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



50.1836, 55.0743, 43.1074



46.1820, 55.0743, 53.0171



54.5706, 55.0743, 80.7318



59.0364, 55.0743, 67.4982

Sweetspot

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



50.1851, 55.0767, 43.1086



93.0639, 99.2055, 98.4450



43.2668, 41.2384, 40.8021



19.8621, 21.2111, 20.7689



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.



50.1851, 55.0767, 43.1086



87.5929, 97.0168, 69.6458



45.9531, 52.8951, 42.9105



11.5238, 12.4170, 11.3521



28.2733, 34.0707, 5.0861



1.3388, 1.6133, 0.2408

Inverse Universe

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



38.7805, 38.5222, 58.8208



63.2523, 61.6844, 103.1803



42.5262, 40.4531, 58.9961



10.0569, 10.2876, 13.3731



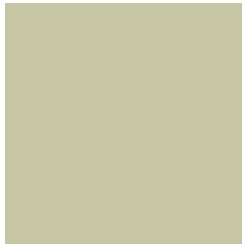
6.6291, 2.6517, 34.9068



0.3139, 0.1256, 1.6528

Previews

White Background



This preview shows how the XYZ color 50.1836, 55.0743, 43.1074 looks on a white background.

Color Contrast Check

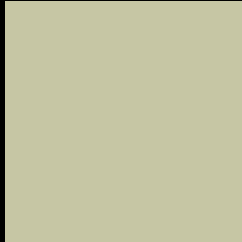
Large Text (above 18pt) WCAG AA × Fail

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 50.1836, 55.0743, 43.1074 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

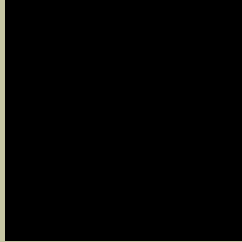
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

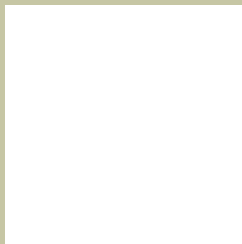
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.1836, 55.0743, 43.1074

Background



This preview shows how black text looks on a background with the XYZ color 50.1836, 55.0743, 43.1074.



This preview shows how white text looks on a background with the XYZ color 50.1836, 55.0743,

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

50.1836, 55.0743, 43.1074

Protanopia

51.8581, 54.9400, 42.5216

Deuteranopia

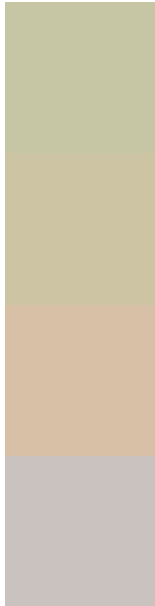
55.9175, 54.7272, 43.6926



Tritanopia

55.0140, 55.0416, 66.7560

Trichromacy



Original Color

50.1836, 55.0743, 43.1074

Protanomaly

51.2526, 54.9616, 42.5577

Deuteranomaly

53.6655, 54.8630, 43.3584

Tritanomaly

53.0529, 54.9017, 57.0911

Monochromacy



Original Color

50.1836, 55.0743, 43.1074

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

50.5680, 54.0512, 52.5675

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1836, 55.0743, 43.1074 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(198, 198, 164)` looks like.

```
.text, #text, p{  
    color:rgb(198, 198, 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(198, 198, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 198, 164) }
```

Border

The CSS property to change the border of an element to XYZ 50.1836, 55.0743, 43.1074 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(198, 198, 164) }
```


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

```
.border{ border-color:rgb(198, 198, 164) }
```

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

Here you see how a box with a 4 pixel rgb(198, 198, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 198, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 198, 164);  
box-shadow:4px 4px 4px 4px rgb(198, 198,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1836, 55.0743, 43.1074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 198, 164) }
```

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

```
.background{ background-color: rgb(198,  
198, 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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