

Converting Colors

XYZ(51.2514, 55.6296, 48.0623)

Have a look what the booklet for
XYZ(51.2514, 55.6296, 48.0623)
contains.

XYZ(51.1228, 55.4499, 48.0528)	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(51.1228, 55.4499,
48.0528)**

Conversions

Conversions Part 1

Format	Color
Hex	C6C6AE
RGB	198, 198, 174
RGB Percent	78%, 78%, 68%
CMY	0.2235, 0.2235, 0.3176
CMYK	0.00, 0.00, 0.12, 0.22
HSL	60°, 17%, 73%
HSV	60°, 12%, 78%
XYZ	51.1228, 55.4499, 48.0528
YIQ	195.2640, 7.7040, -7.4640

Conversions

Conversions Part 2

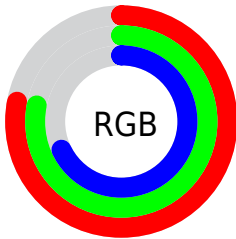
Format	Color
RYB	174, 198, 174
Decimal	13026990
CIELab	79.30, -4.15, 12.04
CIELCh	79, 12.734, 109.012
Yxy	55.4499, 0.3306, 0.3586
Android (android.graphics.Color)	4291217070 (0xFFC6C6AE)
YUV	195.2640, -10.4832, 2.3995
Hunter-Lab	74.4647, -7.7663, 13.8649

Details

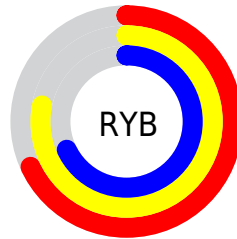
The XYZ color **51.1228, 55.4499, 48.0528** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **42.7867, 43.3494, 59.5412**, and the grayscale version is **52.0878, 54.8004, 59.6776**.

A 20% lighter version of the original color is **91.1429, 98.4371, 88.3253**, and **24.9877, 27.2810, 22.3611** is the 20% darker color. If you saturate the color by 10%, you get **49.3328, 54.7357, 38.6246**, and if you desaturate by 10%, it is **53.2004, 56.2829, 58.9821**.

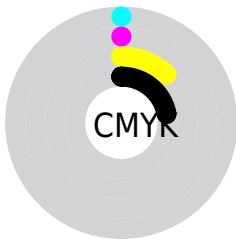
Distribution



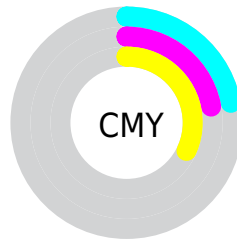
- Red (78%)
- Green (78%)
- Blue (68%)



- Red (68%)
- Yellow (78%)
- Blue (68%)



- Cyan (0%)
- Magenta (0%)
- Yellow (12%)
- Black (22%)





- Cyan (22%)
- Magenta (22%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.1228, 55.4499, 48.0528 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 51.1228, 55.4499, 48.0528 by changing the saturation by 10% instead.


 51.1228, 55.4499,
48.0528

 51.1228, 55.4499,
48.0528


381.4205,
407.6151, 395.5161

 36.5278, 39.7620,
33.5084


 91.0182, 98.1998,
88.6494

 25.0141, 27.3531,
22.2419


117.0493,
126.0307, 115.5387

 16.2163, 17.8386,
13.8347


147.6231,
158.6780, 147.3800

 9.7692, 10.8341,
7.8684

183.1050,
196.5261, 184.5919

 5.3073, 5.9554,
3.9243

223.8603,
239.9595, 227.5929

 2.4653, 2.8180,
1.5839

270.2544,

 0.8778, 1.0375,

289.3625, 276.8016

0.2793

322.6527,
345.1196, 332.6365

■ 0.0000, 0.0000,
0.0000

■ 51.1228, 55.4499,
48.0528

■ 51.1228, 55.4499,
48.0528

■ 49.3328, 54.7357,
38.6246

■ 53.2004, 56.2829,
58.9821

■ 47.8136, 54.1279,
30.6287

■ 55.5727, 57.2319,
71.4703

■ 46.5533, 53.6236,
23.9960

■ 58.2522, 58.3038,
85.5765

■ 45.5374, 53.2172,
18.6506

■ 61.2495, 59.5028,
101.3555

■ 44.7501, 52.9022,
14.5090

■ 61.5383, 59.6184,
102.8718

■ 44.1736, 52.6715,
11.4779

■ 61.5391, 59.6188,
102.8719

■ 43.7878, 52.5171,
9.4502

■ 61.5399, 59.6192,
102.8719

■ 43.5682, 52.4291,
8.2981

■ 61.5407, 59.6196,
102.8719

■ 43.4770, 52.3926,
7.8213

■ 61.5415, 59.6201,
102.8720

Harmonies

Analogous

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



53.6432, 55.4499, 47.6175



51.1228, 55.4499, 48.0528



49.0896, 55.4499, 51.6287

Triad

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



51.1228, 55.4499, 48.0528



49.5536, 55.4499, 71.6034



57.6629, 55.4499, 63.0906

Complementary

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



51.1228, 55.4499, 48.0528



42.7867, 43.3494, 59.5412

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.



56.4905, 55.4499, 70.0583



51.1228, 55.4499, 48.0528



51.7748, 55.4499, 75.2303

Square

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



51.1228, 55.4499, 48.0528



48.2040, 55.4499, 65.0649



54.3164, 55.4499, 74.6431



57.4746, 55.4499, 55.9171

Rectangle

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



51.1228, 55.4499, 48.0528



48.2584, 55.4499, 55.4862



54.3164, 55.4499, 74.6431



57.4134, 55.4499, 65.5440

Sweetspot

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



51.1243, 55.4523, 48.0540



93.4503, 99.3601, 100.4793



46.0664, 45.3352, 46.3678



19.9399, 21.2422, 21.1786



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.



51.1243, 55.4523, 48.0540



89.4897, 97.7756, 79.6313



48.0858, 53.8859, 47.9118



11.5238, 12.4169, 11.3521



28.2727, 34.0704, 5.0861



1.3388, 1.6133, 0.2408

Inverse Universe

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



42.7867, 43.3494, 59.5412



71.3412, 71.4313, 104.6353



45.5804, 44.7896, 59.6719



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 51.1228, 55.4499, 48.0528 looks on a white background.

Color Contrast Check

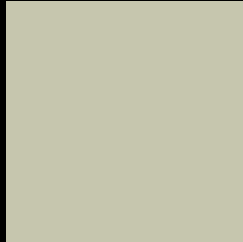
Large Text (above 18pt) WCAG AA × Fail

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 51.1228, 55.4499, 48.0528 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

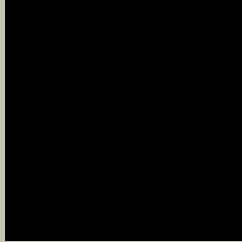
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

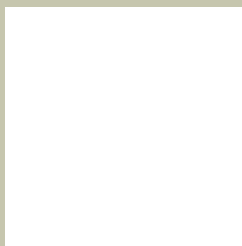
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.1228, 55.4499, 48.0528

Background



This preview shows how black text looks on a background with the XYZ color 51.1228, 55.4499, 48.0528.



This preview shows how white text looks on a background with the XYZ color 51.1228, 55.4499,

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

51.1228, 55.4499, 48.0528

Protanopia

52.4596, 55.4761, 47.4782

Deuteranopia

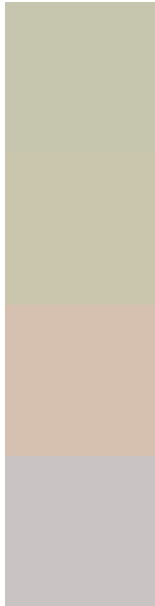
56.4655, 55.2178, 48.7563



Tritanopia

55.0837, 55.3905, 67.4627

Trichromacy



Original Color

51.1228, 55.4499, 48.0528

Protanomaly

51.8662, 55.5062, 47.5153

Deuteranomaly

54.3191, 55.0906, 48.3281

Tritanomaly

53.5663, 55.4332, 60.1010

Monochromacy



Original Color

51.1228, 55.4499, 48.0528

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

51.4745, 54.8035, 54.8788

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1228, 55.4499, 48.0528 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, 174)` looks like.

```
.text, #text, p{  
    color:rgb(198, 198, 174)  
}
```

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, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 198, 174) }
```

Border

The CSS property to change the border of an element to XYZ 51.1228, 55.4499, 48.0528 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, 174) }
```


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

```
.border{ border-color:rgb(198, 198, 174) }
```

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, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 198, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 198, 174);  
box-shadow:4px 4px 4px 4px rgb(198, 198,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1228, 55.4499, 48.0528 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, 174) }
```

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

```
.background{ background-color: rgb(198,  
198, 174) }
```

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