

Converting Colors

XYZ(51.8303, 55.8451, 43.9262)

Have a look what the booklet for
XYZ(51.8303, 55.8451, 43.9262)
contains.

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Color

**XYZ(51.9789, 55.9787,
44.1418)**

Conversions

Conversions Part 1

Format	Color
Hex	CCC6A6
RGB	204, 198, 166
RGB Percent	80%, 78%, 65%
CMY	0.2000, 0.2235, 0.3490
CMYK	0.00, 0.03, 0.19, 0.20
HSL	51°, 27%, 73%
HSV	51°, 19%, 80%
XYZ	51.9789, 55.9787, 44.1418
YIQ	196.1460, 13.8480, -8.6800

Conversions

Conversions Part 2

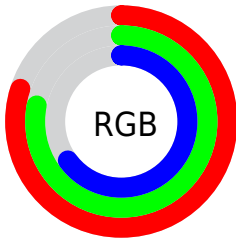
Format	Color
RYB	173, 204, 166
Decimal	13420198
CIELab	79.60, -3.19, 16.81
CIELCh	80, 17.109, 100.755
Yxy	55.9787, 0.3417, 0.3680
Android (android.graphics.Color)	4291610278 (0xFFCCC6A6)
YUV	196.1460, -14.8620, 6.8880
Hunter-Lab	74.8189, -6.9239, 17.3932

Details

The XYZ color **51.9789, 55.9787, 44.1418** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **41.3774, 41.9709, 63.0476**, and the grayscale version is **52.6388, 55.3801, 60.3089**.

A 20% lighter version of the original color is **90.0511, 98.0005, 82.5764**, and **25.5882, 27.6455, 19.9071** is the 20% darker color. If you saturate the color by 10%, you get **49.5266, 53.8349, 34.8128**, and if you desaturate by 10%, it is **54.7466, 58.2775, 55.0418**.

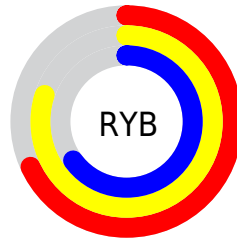
Distribution



Red (80%)

Green (78%)

Blue (65%)



Red (68%)

Yellow (80%)

Blue (65%)

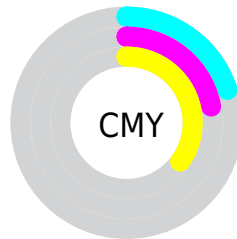


Cyan (0%)

Magenta (3%)

Yellow (19%)

Black (20%)



Cyan (20%)


Magenta (22%)

Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.9789, 55.9787, 44.1418 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 51.9789, 55.9787, 44.1418 by changing the saturation by 10% instead.


 51.9789, 55.9787,
44.1418


 51.9789, 55.9787,
44.1418


384.6804,
409.6112, 379.3449

 37.2125, 40.1858,
30.4440


 92.2745, 98.9734,
82.7358

 25.5465, 27.6835,
19.9209

 118.5344,
126.9441, 108.4691

 16.6155, 18.0872,
12.1541

149.3562,
159.7428, 139.0513

 10.0544, 11.0126,
6.7249

185.1052,
197.7540, 174.9010

 5.4976, 6.0753,
3.2148

226.1467,
241.3621, 216.4366

 2.5798, 2.8909,
1.2053

272.8462,

 0.9357, 1.0751,

290.9513, 264.0768

0.0000

325.5690,
346.9063, 318.2400

■ 0.0000, 0.0000,
0.0000

■ 51.9789, 55.9787,
44.1418

■ 51.9789, 55.9787,
44.1418

■ 49.5266, 53.8349,
34.8128

■ 54.7466, 58.2775,
55.0418

■ 47.3714, 51.8328,
26.9776

■ 57.8386, 60.7293,
67.5780

■ 45.4994, 49.9688,
20.5580

■ 61.2685, 63.3416,
81.8162

■ 43.8941, 48.2361,
15.4672

■ 65.0482, 66.1193,
97.8174

■ 42.5372, 46.6270,
11.6086

■ 67.0238, 68.2009,
104.2393

■ 41.4076, 45.1332,
8.8729

■ 67.8470, 69.8474,
104.5137

■ 40.4809, 43.7446,
7.1312

■ 68.6864, 71.5263,
104.7935

■ 39.7183, 42.4455,
6.1799

■ 69.5422, 73.2377,
105.0788

■ 39.6189, 42.2711,
6.0710

■ 70.4142, 74.9819,
105.3695

Harmonies

Analogous

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



55.4204, 55.9787, 44.7308



51.9789, 55.9787, 44.1418



48.9959, 55.9787, 47.6749

Triad

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



51.9789, 55.9787, 44.1418



48.3422, 55.9787, 74.2004



59.7114, 55.9787, 67.4235

Complementary

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



51.9789, 55.9787, 44.1418



41.3774, 41.9709, 63.0476

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.



57.6508, 55.9787, 76.4886



51.9789, 55.9787, 44.1418



51.0515, 55.9787, 80.6838

Square

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



51.9789, 55.9787, 44.1418



46.9573, 55.9787, 64.5622



54.4524, 55.9787, 81.5636



59.9860, 55.9787, 57.4775

Rectangle

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



51.9789, 55.9787, 44.1418



47.6306, 55.9787, 52.1412



54.4524, 55.9787, 81.5636



59.2006, 55.9787, 70.7018

Sweetspot

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



51.9804, 55.9812, 44.1430



91.9183, 97.5228, 96.1838



46.0172, 43.1020, 45.0927



19.6039, 20.8174, 20.3042



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.



51.9804, 55.9812, 44.1430



84.5380, 91.3806, 67.1546



50.0462, 57.0591, 44.4530



11.9972, 12.7834, 11.9146



24.9928, 26.7186, 3.8399



1.3309, 1.4615, 0.2119

Inverse Universe

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



41.3774, 41.9709, 63.0476



64.0721, 64.3393, 103.6495



43.0495, 41.1769, 62.8062



10.7423, 11.1251, 14.1515



7.2328, 3.4896, 36.2486



0.4194, 0.2726, 1.8854

Previews

White Background



This preview shows how the XYZ color 51.9789, 55.9787, 44.1418 looks on a white background.

Color Contrast Check

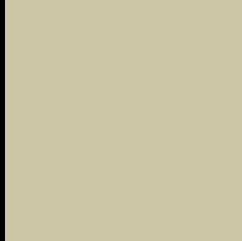
Large Text (above 18pt) WCAG AA × Fail

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 51.9789, 55.9787, 44.1418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

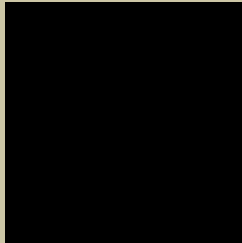
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

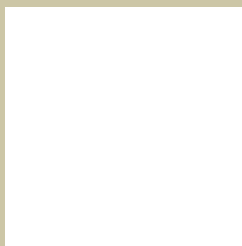
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.9789, 55.9787, 44.1418

Background



This preview shows how black text looks on a background with the XYZ color 51.9789, 55.9787, 44.1418.



This preview shows how white text looks on a background with the XYZ color 51.9789, 55.9787, 44.1418.

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

51.9789, 55.9787, 44.1418

Protanopia

52.7702, 56.0590, 43.6365

Deuteranopia

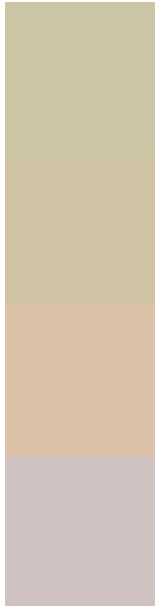
57.1599, 55.9850, 44.8393



Tritanopia

56.4066, 55.7596, 66.8212

Trichromacy



Original Color

51.9789, 55.9787, 44.1418

Protanomaly

52.4899, 55.9145, 43.6234

Deuteranomaly

55.2584, 55.9900, 44.4539

Tritanomaly

54.5383, 55.6547, 57.7371

Monochromacy



Original Color

51.9789, 55.9787, 44.1418

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

52.2764, 55.5774, 53.8712

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.9789, 55.9787, 44.1418 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(204, 198, 166) looks like.

```
.text, #text, p{  
    color:rgb(204, 198, 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(204, 198, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 198, 166) }
```

Border

The CSS property to change the border of an element to XYZ 51.9789, 55.9787, 44.1418 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(204, 198, 166) }
```


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

```
.border{ border-color:rgb(204, 198, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 198, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 198, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 198, 166);  
box-shadow:4px 4px 4px 4px rgb(204, 198,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 51.9789, 55.9787, 44.1418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 198, 166) }
```

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

```
.background{ background-color: rgb(204,  
198, 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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