

Converting Colors

XYZ(51.9978, 55.4160, 42.8572)

Have a look what the booklet for
XYZ(51.9978, 55.4160, 42.8572)
contains.

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Color

**XYZ(51.8944, 55.2820,
43.0573)**

Conversions

Conversions Part 1

Format	Color
Hex	CEC4A4
RGB	206, 196, 164
RGB Percent	81%, 77%, 64%
CMY	0.1922, 0.2314, 0.3569
CMYK	0.00, 0.05, 0.20, 0.19
HSL	46°, 30%, 73%
HSV	46°, 20%, 81%
XYZ	51.8944, 55.2820, 43.0573
YIQ	195.3420, 16.2320, -7.8320

Conversions

Conversions Part 2

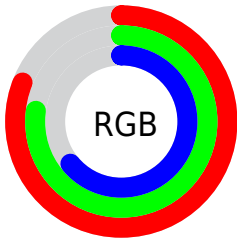
Format	Color
RYB	177, 206, 164
Decimal	13550756
CIELab	79.20, -1.70, 17.34
CIELCh	79, 17.427, 95.591
Yxy	55.2820, 0.3454, 0.3680
Android (android.graphics.Color)	4291740836 (0xFFCEC4A4)
YUV	195.3420, -15.4516, 9.3471
Hunter-Lab	74.3519, -5.5305, 17.7114

Details

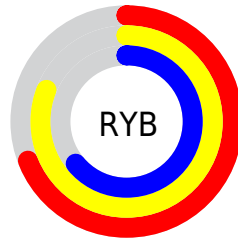
The XYZ color **51.8944, 55.2820, 43.0573** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **41.5863, 42.6200, 64.4276**, and the grayscale version is **52.1595, 54.8758, 59.7598**.

A 20% lighter version of the original color is **89.1515, 96.6250, 80.9695**, and **25.3601, 27.0952, 19.2225** is the 20% darker color. If you saturate the color by 10%, you get **49.0953, 52.4236, 33.6775**, and if you desaturate by 10%, it is **55.0339, 58.3382, 54.0386**.

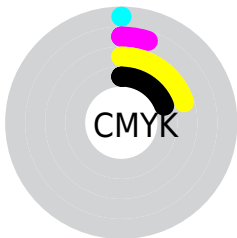
Distribution



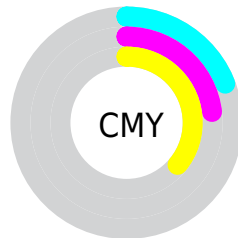
- Red (81%)
- Green (77%)
- Blue (64%)



- Red (69%)
- Yellow (81%)
- Blue (64%)



- Cyan (0%)
- Magenta (5%)
- Yellow (20%)
- Black (19%)



- Cyan (19%)
- Magenta (23%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.8944, 55.2820, 43.0573 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 51.8944, 55.2820, 43.0573 by changing the saturation by 10% instead.

■ 51.8944, 55.2820,
43.0573

■ 51.8944, 55.2820,
43.0573

384.3595,
406.9800, 374.7755

■ 37.1448, 39.6275,
29.5983

■ 92.1506, 97.9540,
81.0846

■ 25.4938, 27.2483,
19.2845

■ 118.3880,
125.7403, 106.4900

■ 16.5761, 17.7598,
11.6971

149.1854,
158.3394, 136.7147

■ 10.0261, 10.7777,
6.4178

184.9081,
196.1357, 172.1771

■ 5.4787, 5.9175,
3.0279

225.9215,
239.5135, 213.2959

■ 2.5684, 2.7950,
1.1089

272.5910,

■ 0.9299, 1.0257,

288.8572, 260.4895

0.0000

325.2818,
344.5512, 314.1765

■ 0.0000, 0.0000,
0.0000

■ 51.8944, 55.2820,
43.0573

■ 51.8944, 55.2820,
43.0573

■ 49.0953, 52.4236,
33.6775

■ 55.0339, 58.3382,
54.0386

■ 46.6175, 49.7490,
25.8193

■ 58.5233, 61.5909,
66.6891

■ 44.4464, 47.2539,
19.4011

■ 62.3772, 65.0482,
81.0769

■ 42.5644, 44.9306,
14.3324

■ 66.6077, 68.7156,
97.2654

■ 40.9521, 42.7707,
10.5122

■ 69.2333, 71.8010,
104.8177

■ 39.5872, 40.7649,
7.8254

■ 70.5431, 74.4205,
105.2543

■ 38.4434, 38.9019,
6.1352

■ 71.8909, 77.1161,
105.7036

■ 37.5063, 37.2269,
5.2087

■ 73.2771, 79.8886,
106.1657

■ 74.7020, 82.7384,
106.6406

Harmonies

Analogous

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



55.3591, 55.2820, 44.3680



51.8944, 55.2820, 43.0573



48.7434, 55.2820, 45.9097

Triad

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



51.8944, 55.2820, 43.0573



47.2860, 55.2820, 72.0541



58.8785, 55.2820, 68.4681

Complementary

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



51.8944, 55.2820, 43.0573



41.5863, 42.6200, 64.4276

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.



56.5369, 55.2820, 77.1677



51.8944, 55.2820, 43.0573



49.8258, 55.2820, 79.3930

Square

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



51.8944, 55.2820, 43.0573



46.1591, 55.2820, 62.0799



53.1988, 55.2820, 81.3603



59.4918, 55.2820, 58.3442

Rectangle

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



51.8944, 55.2820, 43.0573



47.2122, 55.2820, 49.9958



53.1988, 55.2820, 81.3603



58.2625, 55.2820, 71.6896

Sweetspot

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



51.8959, 55.2845, 43.0585



91.5330, 96.7521, 96.0553



46.4185, 42.7490, 46.1060



19.5126, 20.6348, 20.2737



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.



51.8959, 55.2845, 43.0585



82.2434, 87.7225, 63.5187



51.4078, 58.4923, 43.7034



11.9188, 12.6265, 11.8884



23.1731, 23.0791, 3.2334



1.2515, 1.3028, 0.1855

Inverse Universe

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



41.5863, 42.6200, 64.4276



62.8919, 63.9530, 103.6371



41.9839, 40.0641, 63.9133



10.8149, 11.2703, 14.1757



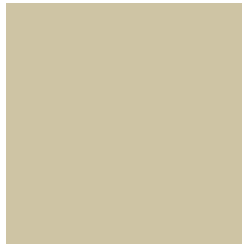
7.6003, 4.2246, 36.3711



0.4527, 0.3392, 1.8965

Previews

White Background



This preview shows how the XYZ color 51.8944, 55.2820, 43.0573 looks on a white background.

Color Contrast Check

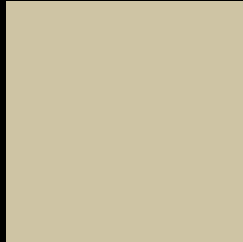
Large Text (above 18pt) WCAG AA × Fail

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 51.8944, 55.2820, 43.0573 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

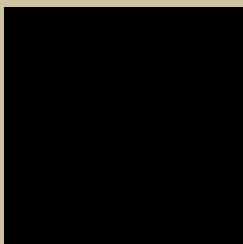
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

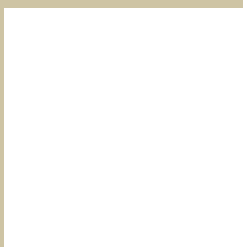
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.8944, 55.2820, 43.0573

Background



This preview shows how black text looks on a background with the XYZ color 51.8944, 55.2820, 43.0573.



This preview shows how white text looks on a background with the XYZ color 51.8944, 55.2820,

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

51.8944, 55.2820, 43.0573

Protanopia

52.1729, 55.4256, 43.0704

Deuteranopia

56.3532, 55.2806, 43.2974



Tritanopia

56.2969, 55.0836, 65.4226

Trichromacy



Original Color

51.8944, 55.2820, 43.0573

Protanomaly

52.1729, 55.4256, 43.0704

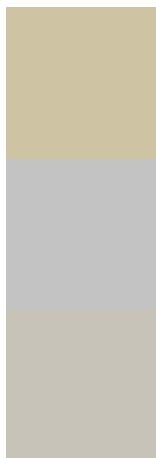
Deuteranomaly

54.8546, 55.4760, 43.4141

Tritanomaly

54.4384, 54.9723, 56.4567

Monochromacy



Original Color

51.8944, 55.2820, 43.0573

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

51.7200, 54.6330, 53.1667

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8944, 55.2820, 43.0573 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(206, 196, 164)` looks like.

```
.text, #text, p{  
    color:rgb(206, 196, 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(206, 196, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 196, 164) }
```

Border

The CSS property to change the border of an element to XYZ 51.8944, 55.2820, 43.0573 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(206, 196, 164) }
```


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

```
.border{ border-color:rgb(206, 196, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 196, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 196, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 196, 164);  
box-shadow:4px 4px 4px 4px rgb(206, 196,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8944, 55.2820, 43.0573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 196, 164) }
```

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

```
.background{ background-color: rgb(206,  
196, 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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