

Converting Colors

XYZ(51.6089, 52.9098, 33.5010)

Have a look what the booklet for
XYZ(51.6089, 52.9098, 33.5010)
contains.

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Color

**XYZ(51.7708, 53.1301,
33.5131)**

Conversions

Conversions Part 1

Format	Color
Hex	D9BD8F
RGB	217, 189, 143
RGB Percent	85%, 74%, 56%
CMY	0.1490, 0.2588, 0.4392
CMYK	0.00, 0.13, 0.34, 0.15
HSL	37°, 49%, 71%
HSV	37°, 34%, 85%
XYZ	51.7708, 53.1301, 33.5131
YIQ	192.1280, 31.4540, -8.3700

Conversions

Conversions Part 2

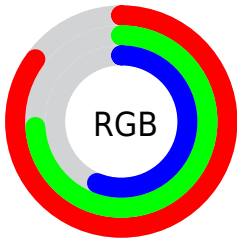
Format	Color
RYB	188, 217, 143
Decimal	14269839
CIELab	77.95, 3.37, 26.95
CIELCh	78, 27.160, 82.867
Yxy	53.1301, 0.3740, 0.3838
Android (android.graphics.Color)	4292459919 (0xFFD9BD8F)
YUV	192.1280, -24.2201, 21.8127
Hunter-Lab	72.8904, -0.7776, 23.7633

Details

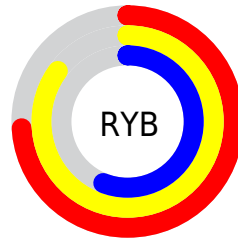
The XYZ color **51.7708, 53.1301, 33.5131** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **38.4146, 39.9739, 71.3368**, and the grayscale version is **50.3030, 52.9227, 57.6328**.

A 20% lighter version of the original color is **83.9705, 90.5960, 65.8844**, and **25.4339, 25.9581, 13.7951** is the 20% darker color. If you saturate the color by 10%, you get **48.5675, 49.1046, 25.1047**, and if you desaturate by 10%, it is **55.3948, 57.4877, 43.6317**.

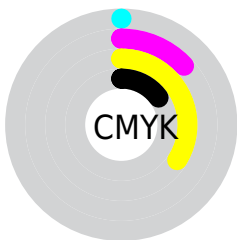
Distribution



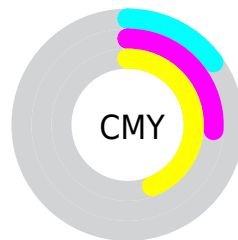
- Red (85%)
- Green (74%)
- Blue (56%)



- Red (74%)
- Yellow (85%)
- Blue (56%)



- Cyan (0%)
- Magenta (13%)
- Yellow (34%)
- Black (15%)



- Cyan (15%)
- Magenta (26%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.7708, 53.1301, 33.5131 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 51.7708, 53.1301, 33.5131 by changing the saturation by 10% instead.

■ 51.7708, 53.1301,
33.5131

■ 51.7708, 53.1301,
33.5131

383.8896,
398.7841, 332.6581

■ 37.0459, 37.9066,
22.2455

■ 91.9694, 94.7958,
66.3010

■ 25.4169, 25.9102,
13.8373

■ 118.1738,
122.0068, 88.6583

■ 16.5183, 16.7565,
7.8702

148.9354,
153.9824, 115.5494

■ 9.9848, 10.0610,
3.9254

184.6197,
191.1071, 147.3926

■ 5.4511, 5.4394,
1.5845

225.5919,
233.7652, 184.6065

■ 2.5517, 2.5073,
0.2797

272.2173,

■ 0.9214, 0.8803,

282.3412, 227.6097

0.0000

324.8615,
337.2193, 276.8207

■ 0.0000, 0.0000,
0.0000

■ 51.7708, 53.1301,
33.5131

■ 51.7708, 53.1301,
33.5131

■ 48.5675, 49.1046,
25.1047

■ 55.3948, 57.4877,
43.6317

■ 45.7608, 45.3931,
18.3056

■ 59.4540, 62.1800,
55.5470

■ 43.3300, 41.9866,
13.0097


■ 63.9670, 67.2187,
69.3432


■ 41.2507, 38.8726,
9.0963


■ 68.9500, 72.6130,
85.0987


■ 39.4948, 36.0370,
6.4258


■ 74.4185, 78.3713,
102.8869


 38.0282, 33.4633,
4.8289

 77.3161, 83.2734,
106.6061

 37.2662, 32.0536,
4.2228

 79.7646, 88.1703,
107.4223

 82.3235, 93.2881,
108.2752

 82.4253, 93.4917,
108.3092

Harmonies

Analogous

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



56.8839, 53.1301, 37.6136



51.7708, 53.1301, 33.5131



46.6522, 53.1301, 34.9663

Triad

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



51.7708, 53.1301, 33.5131



41.7031, 53.1301, 69.9101



59.0398, 53.1301, 77.2540

Complementary

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



51.7708, 53.1301, 33.5131



38.4146, 39.9739, 71.3368

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.



54.5507, 53.1301, 89.0177



51.7708, 53.1301, 33.5131



44.6099, 53.1301, 84.2878

Square

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



51.7708, 53.1301, 33.5131



41.0727, 53.1301, 54.3110



49.2473, 53.1301, 91.7940



61.2664, 53.1301, 61.5388

Rectangle

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



51.7708, 53.1301, 33.5131



43.8969, 53.1301, 39.0354



49.2473, 53.1301, 91.7940



57.7310, 53.1301, 81.9059

Sweetspot

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



51.7722, 53.1326, 33.5142



88.2121, 92.4638, 87.6933



45.8238, 37.3515, 43.5065



18.6870, 19.5732, 18.1808



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.



51.7722, 53.1326, 33.5142



71.1959, 72.3056, 39.2485



55.8866, 65.0721, 35.6019



13.7269, 14.3931, 13.7802



22.6637, 19.6130, 2.5912



1.5503, 1.4347, 0.1952

Inverse Universe

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



38.4146, 39.9739, 71.3368



49.1247, 50.5748, 101.7805



35.2278, 31.2954, 69.8296



12.7404, 13.4205, 16.5711



9.5065, 6.8824, 40.5658



0.6973, 0.6088, 2.6552

Previews

White Background



This preview shows how the XYZ color 51.7708, 53.1301, 33.5131 looks on a white background.

Color Contrast Check

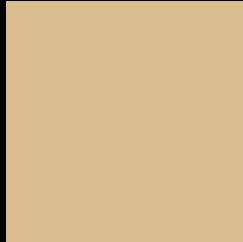
Large Text (above 18pt) WCAG AA × Fail

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 51.7708, 53.1301, 33.5131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

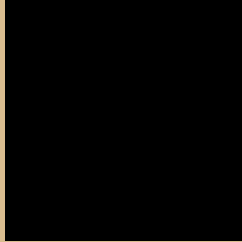
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.7708, 53.1301, 33.5131

Background



This preview shows how black text looks on a background with the XYZ color 51.7708, 53.1301, 33.5131.



This preview shows how white text looks on a background with the XYZ color 51.7708, 53.1301,

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

51.7708, 53.1301, 33.5131

Protanopia

49.9129, 53.4497, 34.4742

Deuteranopia

54.3779, 53.2055, 33.7892



Tritanopia

57.1232, 53.1294, 59.4688

Trichromacy



Original Color

51.7708, 53.1301, 33.5131

Protanomaly

50.7476, 53.5618, 34.0493

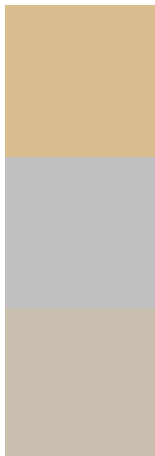
Deuteranomaly

53.3334, 52.9787, 33.8005

Tritanomaly

55.1036, 53.2444, 48.9679

Monochromacy



Original Color

51.7708, 53.1301, 33.5131

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

50.3582, 52.7351, 47.5691

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.7708, 53.1301, 33.5131 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(217, 189, 143)` looks like.

```
.text, #text, p{  
    color:rgb(217, 189, 143)  
}
```

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(217, 189, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 189, 143) }
```

Border

The CSS property to change the border of an element to XYZ 51.7708, 53.1301, 33.5131 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(217, 189, 143) }
```


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

```
.border{ border-color:rgb(217, 189, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 189, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 189, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 189, 143);  
box-shadow:4px 4px 4px 4px rgb(217, 189,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 51.7708, 53.1301, 33.5131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 189, 143) }
```

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

```
.background{ background-color: rgb(217,  
189, 143) }
```

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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