

Converting Colors

XYZ(51.7735, 54.5670, 32.0006)

Have a look what the booklet for
XYZ(51.7735, 54.5670, 32.0006)
contains.

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Color

**XYZ(51.6817, 54.4220,
31.8253)**

Conversions

Conversions Part 1

Format	Color
Hex	D7C18A
RGB	215, 193, 138
RGB Percent	84%, 76%, 54%
CMY	0.1569, 0.2431, 0.4588
CMYK	0.00, 0.10, 0.36, 0.16
HSL	43°, 49%, 69%
HSV	43°, 36%, 84%
XYZ	51.6817, 54.4220, 31.8253
YIQ	193.3080, 30.7670, -12.4410

Conversions

Conversions Part 2

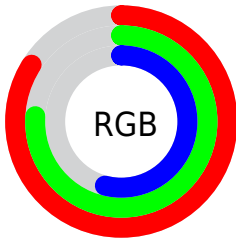
Format	Color
RYB	169, 215, 138
Decimal	14139786
CIELab	78.71, -0.12, 30.56
CIELCh	79, 30.559, 90.221
Yxy	54.4220, 0.3747, 0.3946
Android (android.graphics.Color)	4292329866 (0xFFD7C18A)
YUV	193.3080, -27.2668, 19.0239
Hunter-Lab	73.7713, -4.0485, 26.0619

Details

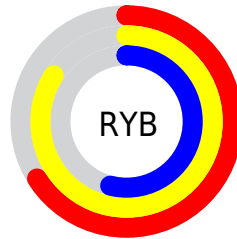
The XYZ color **51.6817, 54.4220, 31.8253** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **35.3174, 35.4499, 69.2710**, and the grayscale version is **51.0138, 53.6705, 58.4471**.

A 20% lighter version of the original color is **84.6301, 92.8171, 63.3242**, and **25.3965, 26.8152, 12.8541** is the 20% darker color. If you saturate the color by 10%, you get **48.9475, 51.2028, 23.9798**, and if you desaturate by 10%, it is **54.7832, 57.8823, 41.3147**.

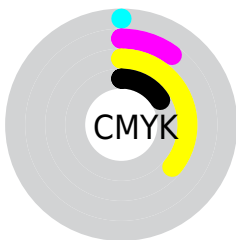
Distribution



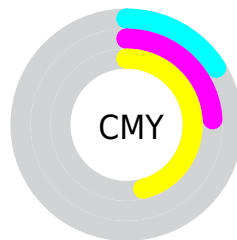
- Red (84%)
- Green (76%)
- Blue (54%)



- Red (66%)
- Yellow (84%)
- Blue (54%)



- Cyan (0%)
- Magenta (10%)
- Yellow (36%)
- Black (16%)



- Cyan (16%)
- Magenta (24%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.6817, 54.4220, 31.8253 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 51.6817, 54.4220, 31.8253 by changing the saturation by 10% instead.

■ 51.6817, 54.4220,
31.8253

■ 51.6817, 54.4220,
31.8253

383.5507,
403.7172, 324.7908

■ 36.9747, 38.9391,
20.9644

■ 91.8387, 96.6936,
63.6318

■ 25.3615, 26.7124,
12.9070

■ 118.0193,
124.2511, 85.4145

■ 16.4767, 17.3573,
7.2345

■ 148.7552,
156.6023, 111.6749

■ 9.9551, 10.4896,
3.5286

184.4117,
194.1315, 142.8315

■ 5.4312, 5.7248,
1.3704

225.3541,
237.2233, 179.3029

■ 2.5398, 2.6784,
0.1185

271.9479,

■ 0.9154, 0.9663,

286.2619, 221.5075

0.0000

324.5583,
341.6317, 269.8640

■ 0.0000, 0.0000,
0.0000

■ 51.6817, 54.4220,
31.8253

■ 51.6817, 54.4220,
31.8253

■ 48.9475, 51.2028,
23.9798

■ 54.7832, 57.8823,
41.3147

■ 46.5575, 48.2085,
17.6782

■ 58.2653, 61.5841,
52.5330

■ 44.4922, 45.4321,
12.8152

■ 62.1457, 65.5375,
65.5637

■ 42.7282, 42.8631,
9.2704

■ 66.4394, 69.7496,
80.4835

■ 41.2381, 40.4894,
6.9039

■ 71.1609, 74.2272,
97.3650

■ 39.9885, 38.2966,
5.5429

■ 74.3305, 78.1794,
105.7802

■ 39.5117, 37.4218,
5.1406

■ 76.0684, 81.6553,
106.3595

■ 77.8671, 85.2527,
106.9591

■ 79.7272, 88.9730,
107.5792

Harmonies

Analogous

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



57.7131, 54.4220, 34.8170



51.6817, 54.4220, 31.8253



46.0970, 54.4220, 34.9071

Triad

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



51.6817, 54.4220, 31.8253



42.3240, 54.4220, 77.6287



62.4783, 54.4220, 77.3630

Complementary

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



51.6817, 54.4220, 31.8253



35.3174, 35.4499, 69.2710

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.



57.7966, 54.4220, 92.9031



51.6817, 54.4220, 31.8253



46.1689, 54.4220, 93.0763

Square

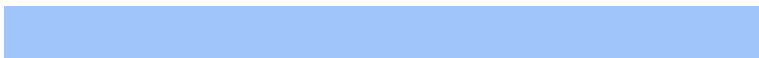
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



51.6817, 54.4220, 31.8253



40.9579, 54.4220, 59.3847



51.7713, 54.4220, 99.1395



64.2342, 54.4220, 59.1281

Rectangle

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



51.6817, 54.4220, 31.8253



43.3027, 54.4220, 40.4170



51.7713, 54.4220, 99.1395



61.1775, 54.4220, 83.1934

Sweetspot

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



51.6831, 54.4245, 31.8264



88.3552, 93.3173, 85.9921



43.5550, 35.2013, 38.2640



18.7461, 19.8043, 17.8519



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.



51.6831, 54.4245, 31.8264



72.9473, 76.4540, 37.8421



52.6007, 62.6602, 33.3677



13.1592, 13.8926, 13.1487



23.7273, 22.5718, 3.1062



1.5001, 1.4995, 0.2104

Inverse Universe

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



35.3174, 35.4499, 69.2710



45.4461, 44.5861, 100.8184



34.5672, 29.8952, 68.2383



12.0286, 12.5807, 15.7319



8.4265, 5.1147, 38.9963



0.5787, 0.4493, 2.3755

Previews

White Background



This preview shows how the XYZ color 51.6817, 54.4220, 31.8253 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 51.6817, 54.4220, 31.8253 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 51.6817, 54.4220, 31.8253

Background



This preview shows how black text looks on a background with the XYZ color 51.6817, 54.4220, 31.8253.



This preview shows how white text looks on a background with the XYZ color 51.6817, 54.4220,

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

51.6817, 54.4220, 31.8253

Protanopia

50.7536, 54.5959, 32.2892

Deuteranopia

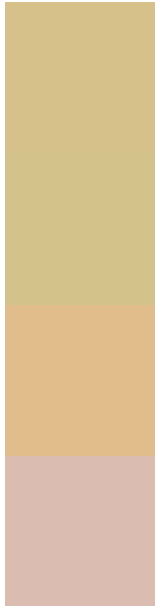
55.3855, 54.3937, 32.0060



Tritanopia

57.7820, 54.3510, 61.4782

Trichromacy



Original Color

51.6817, 54.4220, 31.8253

Protanomaly

51.1034, 54.4447, 32.2415

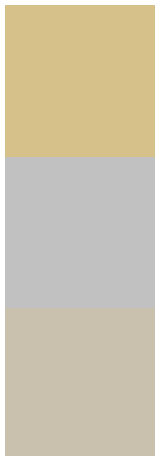
Deuteranomaly

53.9091, 54.2668, 32.0593

Tritanomaly

55.1324, 54.2008, 49.1510

Monochromacy



Original Color

51.6817, 54.4220, 31.8253

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

50.7002, 53.5746, 47.2039

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.6817, 54.4220, 31.8253 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(215, 193, 138)` looks like.

```
.text, #text, p{  
    color:rgb(215, 193, 138)  
}
```

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(215, 193, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 193, 138) }
```

Border

The CSS property to change the border of an element to XYZ 51.6817, 54.4220, 31.8253 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(215, 193, 138) }
```


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

```
.border{ border-color:rgb(215, 193, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 193, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 193, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 193, 138);  
box-shadow:4px 4px 4px 4px rgb(215, 193,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 51.6817, 54.4220, 31.8253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 193, 138) }
```

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

```
.background{ background-color: rgb(215,  
193, 138) }
```

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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