

Converting Colors

XYZ(47.7410, 51.8196, 31.3671)

Have a look what the booklet for
XYZ(47.7410, 51.8196, 31.3671)
contains.

XYZ(47.8468, 51.7931, 31.5200)	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(47.8468, 51.7931,
31.5200)**

Conversions

Conversions Part 1

Format	Color
Hex	CBBF8A
RGB	203, 191, 138
RGB Percent	80%, 75%, 54%
CMY	0.2039, 0.2510, 0.4588
CMYK	0.00, 0.06, 0.32, 0.20
HSL	49°, 38%, 67%
HSV	49°, 32%, 80%
XYZ	47.8468, 51.7931, 31.5200
YIQ	188.5460, 24.1650, -13.9390

Conversions

Conversions Part 2

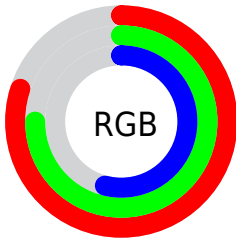
Format	Color
RYB	153, 203, 138
Decimal	13352842
CIELab	77.16, -3.79, 28.31
CIELCh	77, 28.564, 97.626
Yxy	51.7931, 0.3648, 0.3949
Android (android.graphics.Color)	4291542922 (0xFFCBBF8A)
YUV	188.5460, -24.9192, 12.6762
Hunter-Lab	71.9674, -7.2691, 24.4096

Details

The XYZ color **47.8468, 51.7931, 31.5200** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **32.1668, 31.5267, 60.8897**, and the grayscale version is **48.2397, 50.7519, 55.2688**.

A 20% lighter version of the original color is **84.0152, 91.5873, 63.1192**, and **23.0215, 25.1610, 12.6600** is the 20% darker color. If you saturate the color by 10%, you get **45.7063, 49.6482, 24.2208**, and if you desaturate by 10%, it is **50.2856, 54.0944, 40.2750**.

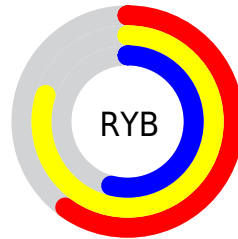
Distribution



Red (80%)

Green (75%)

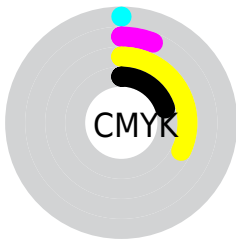
Blue (54%)



Red (60%)

Yellow (80%)

Blue (54%)

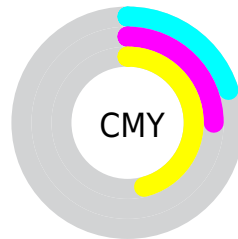


Cyan (0%)

Magenta (6%)

Yellow (32%)

Black (20%)



Cyan (20%)

Magenta (25%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.8468, 51.7931, 31.5200 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 47.8468, 51.7931, 31.5200 by changing the saturation by 10% instead.

■ 47.8468, 51.7931,
31.5200

■ 47.8468, 51.7931,
31.5200

368.7773,
393.6373, 323.3519

■ 33.9163, 36.8402,
20.7334

■ 86.1873, 92.8260,
63.1470

■ 22.9919, 25.0838,
12.7399

■ 111.3281,
119.6748, 84.8244

■ 14.7082, 16.1395,
7.1211

■ 140.9364,
151.2577, 110.9692

■ 8.6998, 9.6229,
3.4583

175.3775,
187.9591, 141.9998

■ 4.6014, 5.1497,
1.3332

215.0167,
230.1634, 178.3348

■ 2.0477, 2.3353,
0.0887

260.2196,

■ 0.6605, 0.7923,

278.2549, 220.3929

0.0000

311.3513,
332.6181, 268.5924

■ 0.0000, 0.0000,
0.0000

■ 47.8468, 51.7931,
31.5200

■ 47.8468, 51.7931,
31.5200

■ 45.7063, 49.6482,
24.2208

■ 50.2856, 54.0944,
40.2750

■ 43.8446, 47.6461,
18.2935

■ 53.0330, 56.5511,
50.5573

■ 42.2460, 45.7823,
13.6503


■ 56.1037, 59.1709,
62.4372


■ 40.8916, 44.0488,
10.1921


■ 59.5102, 61.9593,
75.9800


■ 39.7596, 42.4367,
7.8051


■ 63.2642, 64.9210,
91.2471

 38.8241, 40.9354,
6.3532

 66.5942, 67.7478,
104.1745

 38.1811, 39.8016,
5.6701

 67.5503, 69.6598,
104.4932

 68.5282, 71.6157,
104.8191

 69.5282, 73.6158,
105.1525

Harmonies

Analogous

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



53.3362, 51.7931, 32.8960



47.8468, 51.7931, 31.5200



43.0885, 51.7931, 35.7628

Triad

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



47.8468, 51.7931, 31.5200



41.3670, 51.7931, 76.8289



59.5957, 51.7931, 68.6399

Complementary

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



47.8468, 51.7931, 31.5200



32.1668, 31.5267, 60.8897

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.



55.9241, 51.7931, 83.7381



47.8468, 51.7931, 31.5200



45.3360, 51.7931, 89.0429

Square

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



47.8468, 51.7931, 31.5200



39.5318, 51.7931, 60.4815



50.6351, 51.7931, 91.7811



60.3921, 51.7931, 52.4947

Rectangle

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



47.8468, 51.7931, 31.5200



40.8774, 51.7931, 41.7688



50.6351, 51.7931, 91.7811



58.6444, 51.7931, 74.0872

Sweetspot

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



47.8481, 51.7955, 31.5211



89.7299, 95.4994, 88.1992



39.3033, 33.1084, 33.5978



19.0556, 20.3103, 18.3036



0.0000, 0.0000, 0.0000



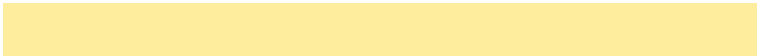
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



47.8481, 51.7955, 31.5211



77.7386, 84.3690, 44.5805



45.5912, 54.6756, 32.1960



11.9710, 12.7309, 11.9058



24.3603, 25.4535, 3.6291



1.3036, 1.4068, 0.2028

Inverse Universe

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



32.1668, 31.5267, 60.8897



47.6920, 45.5427, 100.8847



33.8708, 29.7079, 60.4489



10.7665, 11.1733, 14.1596



7.3393, 3.7025, 36.2841



0.4305, 0.2948, 1.8892

Previews

White Background



This preview shows how the XYZ color 47.8468, 51.7931, 31.5200 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 47.8468, 51.7931, 31.5200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

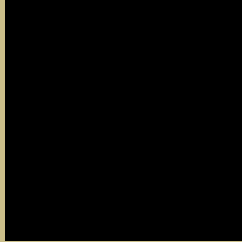
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.8468, 51.7931, 31.5200

Background



This preview shows how black text looks on a background with the XYZ color 47.8468, 51.7931, 31.5200.



This preview shows how white text looks on a background with the XYZ color 47.8468, 51.7931,

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

47.8468, 51.7931, 31.5200

Protanopia

48.1777, 51.6410, 31.4732

Deuteranopia

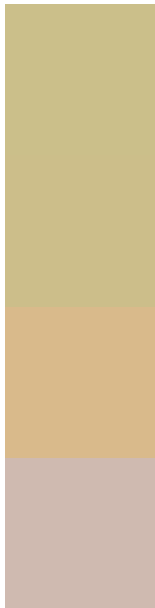
52.7184, 51.7680, 32.0246



Tritanopia

53.7049, 51.6458, 60.5642

Trichromacy



Original Color

47.8468, 51.7931, 31.5200

Protanomaly

47.9027, 51.4993, 31.4604

Deuteranomaly

50.8344, 51.7336, 31.7324

Tritanomaly

51.1275, 51.5178, 48.3235

Monochromacy



Original Color

47.8468, 51.7931, 31.5200

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

47.9173, 51.1985, 45.3870

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8468, 51.7931, 31.5200 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(203, 191, 138)` looks like.

```
.text, #text, p{  
    color:rgb(203, 191, 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(203, 191, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 191, 138) }
```

Border

The CSS property to change the border of an element to XYZ 47.8468, 51.7931, 31.5200 is called "border". The border property can be set on classes, ids or directly on the HTML element.

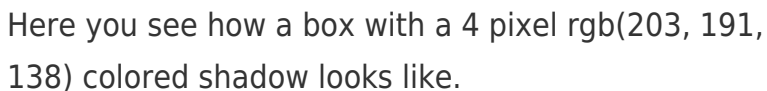
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(203, 191, 138) }
```


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

```
.border{ border-color:rgb(203, 191, 138) }
```

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



Here you see how a box with a 4 pixel `rgb(203, 191, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(203, 191, 138); -webkit-box-shadow:4px 4px 4px 4px rgb(203, 191, 138); box-shadow:4px 4px 4px 4px rgb(203, 191, 138) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8468, 51.7931, 31.5200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 191, 138) }
```

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

```
.background{ background-color: rgb(203,  
191, 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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