

Converting Colors

XYZ(47.8673, 51.2320, 42.0024)

Have a look what the booklet for
XYZ(47.8673, 51.2320, 42.0024)
contains.

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Color

**XYZ(47.7893, 51.2070,
42.0155)**

Conversions

Conversions Part 1

Format	Color
Hex	C4BEA3
RGB	196, 190, 163
RGB Percent	77%, 75%, 64%
CMY	0.2314, 0.2549, 0.3608
CMYK	0.00, 0.03, 0.17, 0.23
HSL	49°, 22%, 70%
HSV	49°, 17%, 77%
XYZ	47.7893, 51.2070, 42.0155
YIQ	188.7160, 12.2430, -7.1250

Conversions

Conversions Part 2

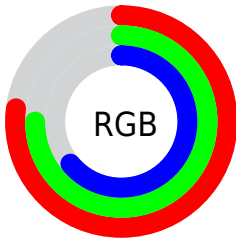
Format	Color
RYB	170, 196, 163
Decimal	12893859
CIELab	76.80, -2.43, 14.40
CIElCh	77, 14.605, 99.576
Yxy	51.2070, 0.3389, 0.3631
Android (android.graphics.Color)	4291083939 (0xFFC4BEA3)
YUV	188.7160, -12.6780, 6.3881
Hunter-Lab	71.5591, -6.0207, 15.2796

Details

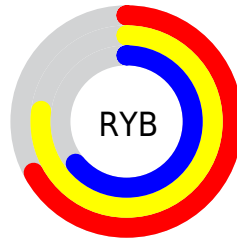
The XYZ color **47.7893, 51.2070, 42.0155** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **39.2560, 40.1473, 57.9052**, and the grayscale version is **48.2739, 50.7879, 55.3080**.

A 20% lighter version of the original color is **86.1187, 91.8561, 79.5207**, and **22.9702, 24.7898, 18.6132** is the 20% darker color. If you saturate the color by 10%, you get **45.4060, 49.0362, 33.2181**, and if you desaturate by 10%, it is **50.4664, 53.5290, 52.2549**.

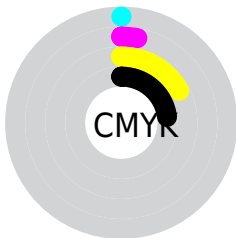
Distribution



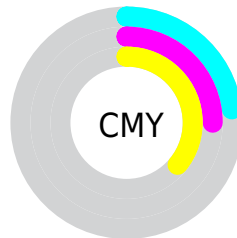
- Red (77%)
- Green (75%)
- Blue (64%)



- Red (67%)
- Yellow (77%)
- Blue (64%)



- Cyan (0%)
- Magenta (3%)
- Yellow (17%)
- Black (23%)



- Cyan (23%)
- Magenta (25%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.7893, 51.2070, 42.0155 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 47.7893, 51.2070, 42.0155 by changing the saturation by 10% instead.

■ 47.7893, 51.2070,
42.0155

■ 47.7893, 51.2070,
42.0155

368.5529,
391.3675, 370.3487

■ 33.8706, 36.3734,
28.7878

■ 86.1022, 91.9607,
79.4934

■ 22.9566, 24.7227,
18.6761

■ 111.2271,
118.6495, 104.5807

■ 14.6820, 15.8706,
11.2621

140.8182,
150.0589, 134.4582

■ 8.6814, 9.4326,
6.1270

175.2407,
186.5732, 169.5446

■ 4.5894, 5.0244,
2.8524

214.8601,
228.5768, 210.2583

■ 2.0407, 2.2616,
1.0198

260.0417,

■ 0.6567, 0.7533,

276.4541, 257.0178

0.0000

311.1508,
330.5896, 310.2418

■ 0.0000, 0.0000,
0.0000

■ 47.7893, 51.2070,
42.0155

■ 47.7893, 51.2070,
42.0155

■ 45.4060, 49.0362,
33.2181

■ 50.4664, 53.5290,
52.2549

■ 43.2999, 47.0044,
25.7936

■ 53.4450, 56.0002,
63.9947

■ 41.4586, 45.1084,
19.6721

■ 56.7376, 58.6276,
77.2939

■ 39.8672, 43.3418,
14.7761

■ 60.3549, 61.4156,
92.2075

■ 38.5096, 41.6980,
11.0200

■ 63.3252, 63.9758,
103.6187

■ 37.3670, 40.1693,
8.3073

■ 64.2022, 65.7300,
103.9111

■ 36.4181, 38.7470,
6.5251

■ 65.0989, 67.5234,
104.2100

■ 35.6340, 37.4192,
5.5226

■ 66.0153, 69.3562,
104.5154

■ 35.4032, 37.0119,
5.2781

■ 66.9516, 71.2288,
104.8275

Harmonies

Analogous

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



50.5548, 51.2070, 42.6372



47.7893, 51.2070, 42.0155



45.3528, 51.2070, 44.7965

Triad

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



47.7893, 51.2070, 42.0155



44.6763, 51.2070, 66.0590



53.8393, 51.2070, 61.2550

Complementary

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



47.7893, 51.2070, 42.0155



39.2560, 40.1473, 57.9052

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.



52.1466, 51.2070, 68.3708



47.7893, 51.2070, 42.0155



46.8340, 51.2070, 71.3219

Square

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



47.7893, 51.2070, 42.0155



43.6011, 51.2070, 58.3342



49.5629, 51.2070, 72.2058



54.1188, 51.2070, 53.2544

Rectangle

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



47.7893, 51.2070, 42.0155



44.2171, 51.2070, 48.3762



49.5629, 51.2070, 72.2058



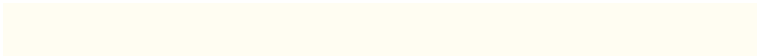
53.4138, 51.2070, 63.8499

Sweetspot

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



47.7907, 51.2093, 42.0166



92.3300, 97.7366, 98.2001



43.0289, 40.7973, 43.1682



19.6830, 20.8528, 20.7092



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.



47.7907, 51.2093, 42.0166



85.0138, 91.3690, 70.2820



46.4919, 52.5076, 42.3356



10.7528, 11.4370, 10.7027



22.8057, 23.8971, 3.4106



1.0269, 1.1155, 0.1612

Inverse Universe

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



39.2560, 40.1473, 57.9052



66.8133, 67.7802, 104.1692



40.3949, 39.1163, 57.6462



9.6731, 10.0374, 12.7124



6.8462, 3.4490, 33.8615



0.3420, 0.2414, 1.4785

Previews

White Background



This preview shows how the XYZ color 47.7893, 51.2070, 42.0155 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 47.7893, 51.2070, 42.0155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

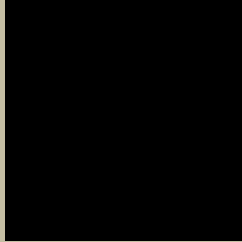
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

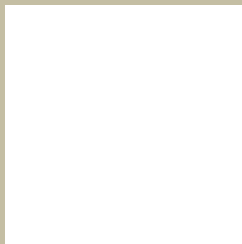
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.7893, 51.2070, 42.0155

Background



This preview shows how black text looks on a background with the XYZ color 47.7893, 51.2070, 42.0155.



This preview shows how white text looks on a background with the XYZ color 47.7893, 51.2070,

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

47.7893, 51.2070, 42.0155

Protanopia

48.3616, 51.1816, 41.9804

Deuteranopia

52.1348, 50.9242, 42.6789



Tritanopia

51.7452, 51.2390, 61.1957

Trichromacy



Original Color

47.7893, 51.2070, 42.0155

Protanomaly

48.0972, 51.0453, 41.9681

Deuteranomaly

50.3443, 50.9336, 42.2997

Tritanomaly

50.1864, 51.2279, 53.6972

Monochromacy



Original Color

47.7893, 51.2070, 42.0155

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

48.1740, 50.8969, 50.4651

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7893, 51.2070, 42.0155 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(196, 190, 163)` looks like.

```
.text, #text, p{  
    color:rgb(196, 190, 163)  
}
```

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(196, 190, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 190, 163) }
```

Border

The CSS property to change the border of an element to XYZ 47.7893, 51.2070, 42.0155 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(196, 190, 163) }
```


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

```
.border{ border-color:rgb(196, 190, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 190, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 190, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 190, 163);  
box-shadow:4px 4px 4px 4px rgb(196, 190,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7893, 51.2070, 42.0155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 190, 163) }
```

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

```
.background{ background-color: rgb(196,  
190, 163) }
```

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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