

# Converting Colors

XYZ(51.8029, 53.1713, 52.5350)

Have a look what the booklet for  
XYZ(51.8029, 53.1713, 52.5350)  
contains.

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# Color

**XYZ(51.5893, 52.9423,  
52.2996)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	<a href="#">CBBEB7</a>
RGB	<a href="#">203, 190, 183</a>
RGB Percent	<a href="#">80%, 75%, 72%</a>
CMY	<a href="#">0.2039, 0.2549, 0.2823</a>
<a href="#">CMYK</a>	<a href="#">0.00, 0.06, 0.10, 0.20</a>
HSL	<a href="#">21°, 16%, 76%</a>
HSV	<a href="#">21°, 10%, 80%</a>
XYZ	<a href="#">51.5893, 52.9423, 52.2996</a>
YIQ	<a href="#">193.0890, 9.9950, 0.5790</a>

# Conversions

## Conversions Part 2

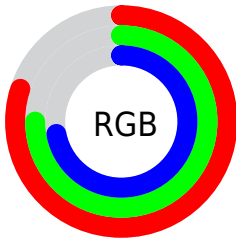
Format	Color
<a href="#">RYB</a>	<a href="#">203, 194, 183</a>
Decimal	<a href="#">13352631</a>
CIELab	<a href="#">77.84, 3.37, 5.16</a>
CIELCh	<a href="#">78, 6.168, 56.853</a>
Yxy	<a href="#">52.9423, 0.3289, 0.3376</a>
Android (android.graphics.Color)	<a href="#">4291542711 (0xFFCBBEB7)</a>
YUV	<a href="#">193.0890, -4.9739, 8.6919</a>
Hunter-Lab	<a href="#">72.7615, -0.7726, 8.3165</a>

# Details

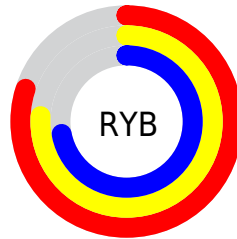
The XYZ color **51.5893, 52.9423, 52.2996** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **50.0477, 53.8580, 64.2583**, and the grayscale version is **50.7663, 53.4101, 58.1636**.

A 20% lighter version of the original color is **89.7758, 93.4035, 94.9583**, and **25.3694, 25.8926, 24.7798** is the 20% darker color. If you saturate the color by 10%, you get **46.8983, 46.7009, 41.0526**, and if you desaturate by 10%, it is **56.8466, 59.8275, 65.2402**.

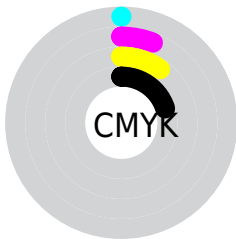
# Distribution



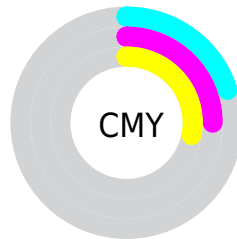
- Red (80%)
- Green (75%)
- Blue (72%)



- Red (80%)
- Yellow (76%)
- Blue (72%)



- Cyan (0%)
- Magenta (6%)
- Yellow (10%)
- Black (20%)



- Cyan (20%)
- Magenta (25%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.5893, 52.9423, 52.2996 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 51.5893, 52.9423, 52.2996 by changing the saturation by 10% instead.





 51.5893, 52.9423,  
52.2996

 51.5893, 52.9423,  
52.2996


383.1991,  
398.0637, 412.5820

 36.9008, 37.7567,  
36.8600


 91.7031, 94.5195,  
95.0040

 25.3040, 25.7939,  
24.8042

117.8590,  
121.6798, 123.1060

 16.4336, 16.6695,  
15.7136

148.5682,  
153.6006, 156.2658

 9.9243, 9.9992,  
9.1695

184.1959,  
190.6661, 194.9020

 5.4107, 5.3984,  
4.7536

225.1074,  
233.2607, 239.4332

 2.5274, 2.4829,  
2.0472

271.6682,

 0.9091, 0.8680,

281.7690, 290.2779

0.5841

324.2437,  
336.5752, 347.8546

■ 0.0000, 0.0000,  
0.0000

■ 51.5893, 52.9423,  
52.2996

■ 51.5893, 52.9423,  
52.2996

■ 46.8983, 46.7009,  
41.0526

■ 56.8466, 59.8275,  
65.2402

■ 42.7495, 41.0776,  
31.4250

■ 62.6847, 67.3675,  
79.9374

■ 39.1232, 36.0547,  
23.3425

■ 69.1229, 75.5819,  
96.4553

■ 35.9970, 31.6115,  
16.7231

■ 74.6608, 83.8805,  
106.8633

■ 33.3466, 27.7256,  
11.4775

■ 78.4389, 91.4366,  
108.1226

■ 31.1454, 24.3733,  
7.5063

■ 29.3638, 21.5289,  
4.6966

■ 27.9678, 19.1638,  
2.9151

■ 26.9018, 17.2398,  
1.9184

# Harmonies

## Analogous

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



52.4019, 52.9423, 54.7182



51.5893, 52.9423, 52.2996



50.4466, 52.9423, 51.3098

# Triad

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



51.5893, 52.9423, 52.2996



48.0564, 52.9423, 57.2840



51.3671, 52.9423, 63.7293

# Complementary

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



51.5893, 52.9423, 52.2996



50.0477, 53.8580, 64.2583

# 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.



50.1938, 52.9423, 64.4817



51.5893, 52.9423, 52.2996



48.2941, 52.9423, 60.6747

# Square

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



51.5893, 52.9423, 52.2996



48.4172, 52.9423, 54.1149



49.0718, 52.9423, 63.3431



52.2722, 52.9423, 61.3257



# Rectangle

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



51.5893, 52.9423, 52.2996



49.6556, 52.9423, 51.5630



49.0718, 52.9423, 63.3431



50.9904, 52.9423, 64.1878

# Sweetspot

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



51.5908, 52.9446, 52.3007



92.2772, 96.3862, 102.0200



51.5266, 50.5498, 59.2666



19.5957, 20.4275, 21.4527



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

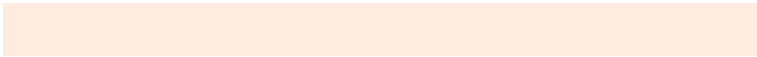


# Same Dimension

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



51.5908, 52.9446, 52.3007



84.4903, 86.1464, 82.9806



53.8308, 57.4246, 53.0474



11.5283, 11.8456, 11.7583



17.1887, 11.1104, 1.2386



0.9576, 0.7149, 0.0875

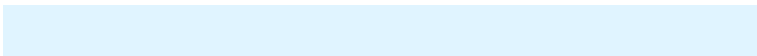


# Inverse Universe

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



50.0477, 53.8580, 64.2583



81.3509, 88.0040, 107.3066



47.8676, 49.4977, 63.5316



11.1998, 12.0400, 14.3040



12.1918, 13.4075, 37.9016



0.6985, 0.8307, 1.9785



# Previews

## White Background



This preview shows how the XYZ color 51.5893, 52.9423, 52.2996 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 51.5893, 52.9423, 52.2996 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

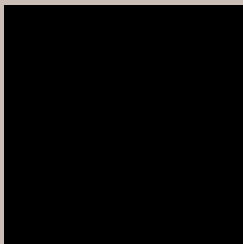
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

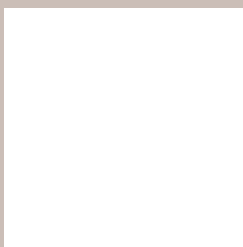
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 51.5893, 52.9423, 52.2996**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.5893, 52.9423, 52.2996.



This preview shows how white text looks on a background with the XYZ color 51.5893, 52.9423,



# 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

51.5893, 52.9423, 52.2996

### Protanopia

50.7901, 53.1657, 52.9325

### Deuteranopia

53.9422, 52.8746, 52.7102



## Tritanopia

53.8846, 52.9267, 63.2530

# Trichromacy



## Original Color

51.5893, 52.9423, 52.2996

## Protanomaly

51.1019, 53.0017, 52.8844

## Deuteranomaly

53.0004, 52.7030, 52.7267

## Tritanomaly

53.0104, 52.8857, 59.0438

# Monochromacy



## Original Color

51.5893, 52.9423, 52.2996

## Achromatopsia

50.6879, 53.3276, 58.0738

## Achromatomaly

51.0609, 53.2437, 55.7300

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.5893, 52.9423, 52.2996 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, 190, 183)` looks like.

```
.text, #text, p{  
    color:rgb(203, 190, 183)  
}
```

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, 190, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 190, 183) }
```

## Border

The CSS property to change the border of an element to XYZ 51.5893, 52.9423, 52.2996 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, 190, 183) }
```



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

```
.border{ border-color:rgb(203, 190, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 190, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(203, 190, 183); -webkit-box-shadow:4px 4px 4px 4px rgb(203, 190, 183); box-shadow:4px 4px 4px 4px rgb(203, 190, 183) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.5893, 52.9423, 52.2996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 190, 183) }
```

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

```
.background{ background-color: rgb(203,  
190, 183) }
```

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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